Section 1.

250C30S TURBINE ENGINE
Make: **Rolls-Royce**
Model: 250C30S
Serial Number: CAE-890210
Date of Manufacture:
Log Books sold with engine: Original

Contact for technical inquires:

John Barnes,
Director of Maintenance: 647.428.2148
Cellular: 647.205.3365
jbarnes@ornge.ca

Alternate contact:

Robert Zwanenburg,
Manager of Maintenance Planning/Analysis: 613.240.5331
Cellular 613.240.5331
rzwanenburg@ornge.ca

Section 2:

Information & Specifications:

Total Engine Time Since New: 13553.47 Hours
Total Engine Cycles Since New: 24781 Cycles

Times and Cycles as of: July 11, 2017

Section 3.

Engine- Maintenance and Inspections
Make: - Rolls-Royce
Model: 250C30S

Engine S/N	**CAE-890210**			
TSN: 13553.47		**TSO:** N/A*		
CSN: 24781		**CSO:** N/A*		
LAST MAJOR INSPECTION		**LAST COMPLETED**	**Count Remaining**	
Engine Overhaul (On-Condition Modular Engine)		N/A*	N/A	
300-Hour Engine Inspection		22 Oct 2013	226.73 Hours	
Turbine Overhaul		30 May 2007	537.5 Hours 5718.00 Cycles	
Life Limited Parts		**Part Number**	**Hours Remaining**	**Cycle Remaining**
COMPRESSOR ASSEMBLY	On-Condition	23051643	o/c	o/c
Impeller: Compressor	Retirement	23076537	13201.47	19841
TURBINE ASSEMBLY	Overhaul	23035128	1926.73**	5718**
First Stage Wheel	Retirement	M250-10227	1951.73	2718
Second Stage Wheel	Retirement	M250-10658	1951.73	2718
Third Stage Wheel	Retirement	6898663	4476.73	5718
Fourth Stage Wheel	Retirement	23066744	4476.73	5718
GEARBOX ASSEMBLY	On-Condition	23035179	o/c	o/c
Fuel Pump	Overhaul	6896810	409.33	n/a
Fuel Nozzle	Overhaul	23077067	1926.73	n/a
Fuel Control Unit	Overhaul	23070613	1930.97	n/a
PT Governor	Overhaul	23086751	716.23	n/a
PT Governor	CEB-73-3139	23086751	76.73	n/a
Bleed Valve	Overhaul	23073353	539.73	n/a

Notes:

* 250 Series engine are modular On-Condition Assembly and not subject to a Scheduled Overhaul.
The Compressor and Gearbox are on-condition and the Turbine assembly is subject to an Overhaul interval

** The Turbine Overhaul on the Rolls-Royce 250C30S Series engines are operated with a 6000 Cycle OH interval and approved in accordance with Rolls-Royce Letter CNA0137-REH-01-2012.
Engine is otherwise subject to the 2000 Hour Overhaul interval.

ornge

Installed Parts & Tasks Report

ORNGE GLOBAL AIR
5310 Explorer Drive,,
Mississauga,
ON,Canada

Installed Parts & Tasks

Root Part#/Serial# : Times : 13553:28 FH Cycles

Part # / Serial # / Part Description / Position Code	Level Code/Attach Date/ Days / Root Part # / Root Serial # / Root Position Code	Since New / Since Overhaul	Task # / Task Description / Maintenance Type	Interval	Remaining
23005290/CAE-890210S ENGINE ASSEMBLY: 250C30S	/ /- -/-	24781.00 ESTARTS, 13553.47 FH 24781.00 ESTARTS, 2432.97 FH	MC-RR-0150-01 Engine Vibration Data Collection Inspection	300.00 FH	288.25 FH
23005290/CAE-890210S ENGINE ASSEMBLY: 250C30S	/ /- -/-	24781.00 ESTARTS, 13553.47 FH 24781.00 ESTARTS, 2432.97 FH	MS-RR-0300-01 Replacement Of Engine Oil Inspection	365.00 Days 600.00 FH	-13.00 Days 588.13 FH
23005290/CAE-890210S ENGINE ASSEMBLY: 250C30S	/ /- -/-	24781.00 ESTARTS, 13553.47 FH 24781.00 ESTARTS, 2432.97 FH	OGR-M-C30S-009 150-Hour Engine Inspection Inspection	150.00 FH	76.73 FH
23005290/CAE-890210S ENGINE ASSEMBLY: 250C30S	/ /- -/-	24781.00 ESTARTS, 13553.47 FH 24781.00 ESTARTS, 2432.97 FH	OGR-M-C30S-010 300-Hour Engine Inspection Inspection	300.00 FH	226.73 FH
23005290/CAE-890210S ENGINE ASSEMBLY: 250C30S	/ /- -/-	24781.00 ESTARTS, 13553.47 FH 24781.00 ESTARTS, 2432.97 FH	OGR-M-C30S-018 2000-Hour Engine Inspection Inspection	2000.00 FH	1926.73 FH
23005290/CAE-890210S ENGINE ASSEMBLY: 250C30S	/ /- -/-	24781.00 ESTARTS, 13553.47 FH 24781.00 ESTARTS, 2432.97 FH	MC-H-76-0025-03 Power Check Inspection	25.00 FH	13.93 FH

Installed Parts & Tasks

Root Part#/Serial# : **Times :** 13553:28 FH **Cycles**

Part # / Serial # Part Description Position Code	Level Code/Attach Date/ Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
23005290/CAE-890210S ENGINE ASSEMBLY: 250C30S	/ /- -/-	24781.00 ESTARTS, 13553.47 FH 24781.00 ESTARTS, 2432.97 FH	IAM-RR-71-001** Inspection		

Installed Parts & Tasks

Root Part#/Serial#: 23005290 / CAE- Times : 13553:28 FH Cycles

Part # / Serial # Part Description Position Code	Level Code/Attach Date/ Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
23051643/CAC-90641 √√ COMPRESSOR ASSEMBLY 723000	1.1/ /717 23005290/CAE-890210S	26374.00 ESTARTS, 14750.07 FH 25134.00 ESTARTS, 13517.87 FH	MC-RR-2000-01 Compressor Spur Adapter Gear Shaft Inspection Inspection	2000.00 FH	201.43 FH
23051643/CAC-90641 COMPRESSOR ASSEMBLY 723000	1.1/ /717 23005290/CAE-890210S	26374.00 ESTARTS, 14750.07 FH 25134.00 ESTARTS, 13517.87 FH	MC-RR-2000-03 Compressor Rotor And Splined Adapter Insp Inspection	2000.00 FH	201.43 FH
23076537/JY105636 ✓ IMPELLER: COMPRESSOR 723020	1.1.1/ /1724 23005290/CAE-890210S	5159.00 ESTARTS, 1798.53 FH	SDI-RR-CI Compressor Impeller Assembly Shop Detailed Inspection Inspection	12500.00 FH	10701.47 FH
23076537/JY105636 IMPELLER: COMPRESSOR 723020	1.1.1/ /1724 23005290/CAE-890210S	5159.00 ESTARTS, 1798.53 FH	RL-RR-CI Compressor Impeller Assembly Retirement Life Retire	25000.00 ESTARTS, 15000.00 FH	19841.00 ESTARTS, 13201.47 FH
23066675/SL13497A √√ COMBUSTION LINER 724012	1.2/ /717 23005290/CAE-890210S	290.00 ESTARTS, 880.43 FH 290.00 ESTARTS, 144.23 FH	OH-CL Combustion Liner Overhaul Overhaul	2000.00 FH	1119.57 FH
23035128/CAT-90340 √√ TURBINE ASSEMBLY 725000	1.3/ /2846 23005290/CAE-890210S	27362.00 ESTARTS, 14934.57 FH 282.00 ESTARTS, 73.27 FH	MC-RR-2000-02 Compressor To Turbine Coupling Inspection Inspection	2000.00 FH	673.23 FH
23035128/CAT-90340 TURBINE ASSEMBLY 725000	1.3/ /2846 23005290/CAE-890210S	27362.00 ESTARTS, 14934.57 FH 282.00 ESTARTS, 73.27 FH	OH-RR-TA Turbine Assembly Overhaul Overhaul	6000.00 ESTARTS	5718.00 ESTARTS

Installed Parts & Tasks

Root Part#/Serial#: 23005290 / CAE- Times : 13553:28 FH Cycles

Part # / Serial # Part Description Position Code	Level Code/Attach Date/ Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
23073566/SL14179A 1ST STAGE NOZZLE SHIELD 725011	1.3.1/ /2846 23005290/CAE-890210S	13367.00 ESTARTS, 14934.57 FH 282.00 ESTARTS, 73.27 FH			
M250-10227/X612859 1ST STAGE WHEEL 725014	1.3.2/ /1153 23005290/CAE-890210S	282.00 ESTARTS, 73.27 FH	RL-RR-TW1 First-Stage Turbine Wheel Retirement Life Retire	3000.00 ESTARTS, 2025.00 FH	2718.00 ESTARTS, 1951.73 FH
M250-10658/X617292 2nd STAGE TURBINE WHEEL 725022	1.3.3/ /1153 23005290/CAE-890210S	282.00 ESTARTS, 73.27 FH, 0.00 N2	RL-RR-TW2 Second-Stage Turbine Wheel Retirement Life Retire	3000.00 ESTARTS, 2025.00 FH	2718.00 ESTARTS, 1951.73 FH
6898663/XX619575 3RD STAGE WHEEL 725070	1.3.4/ /1153 23005290/CAE-890210S	282.00 ESTARTS, 73.27 FH, 0.00 N2	RL-RR-TW3 Third-Stage Turbine Wheel Retirement Life Retire	6000.00 ESTARTS, 4550.00 FH, 6.00 N2	5718.00 ESTARTS, 4476.73 FH, 6.00 N2
23066744/X620502 4TH STAGE TURBINE WHEEL 725074	1.3.5/ /1153 23005290/CAE-890210S	282.00 ESTARTS, 73.27 FH, 0.00 N2	RL-RR-TW4 Fourth-Stage Turbine Wheel Retirement Life Retire	6000.00 ESTARTS, 4550.00 FH, 6.00 N2	5718.00 ESTARTS, 4476.73 FH, 6.00 N2
23035179/CAG-90615 ENGINE GEARBOX (C30S) 726010	1.4/ /2848 23005290/CAE-890210S	282.00 ESTARTS, 14654.17 FH 282.00 ESTARTS, 11772.47 FH			
6896810/T0018 FUEL PUMP ASSY 731010	1.5/ /348 23005290/CAE-890210S	5861.47 FH	OH-RR-FP1 Fuel Pump (Argo Tech or TRW) Overhaul Overhaul	3000.00 FH	409.33 FH

Installed Parts & Tasks

Root Part#/Serial#: 23005290 / CAE- Times : 13553:28 FH Cycles

Part # / Serial # Part Description Position Code	Level Code/Attach Date/ Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
23077067/1ZJ03850 √√ FUEL NOZZLE 731040	1.6/ /2847 23005290/CAE-890210S	2681.07 FH 73.27 FH	MC-RR-0300-01 Fuel Nozzle Filter Inspection Inspection	300.00 FH	226.73 FH
23077067/1ZJ03850 FUEL NOZZLE 731040	1.6/ /2847 23005290/CAE-890210S	2681.07 FH 73.27 FH	OH-RR-FNZ Fuel Nozzle Overhaul Overhaul	2000.00 FH	1926.73 FH
23070613/325447 √√ FUEL CONTROL UNIT 732010	1.7/ /348 23005290/CAE-890210S	5605.03 FH	MC-RR-2000-04 FCU Filter Inspection Inspection	2000.00 FH	1430.97 FH
23070613/325447 FUEL CONTROL UNIT 732010	1.7/ /348 23005290/CAE-890210S	5605.03 FH	OH-RR-FCU2 Fuel Control (Bendix Model DP--V1) Overhaul Overhaul	2500.00 FH	1930.97 FH
23086751/BR45532 √√ PT GOVERNOR 732030	1.8/ /2807 23005290/CAE-890210S	3275.27 FH 1283.77 FH	OH-RR-PTG3 Power Turbine Governor (BENDIX Model AL--AD1) Overhaul C30S Overhaul	2000.00 FH	716.23 FH
23086751/BR45532 PT GOVERNOR 732030	1.8/ /2807 23005290/CAE-890210S	3275.27 FH 1283.77 FH	CEB-73-3139 PT Governor Drive Bearing Replacement Others	1200.00 FH	76.73 FH
23073353/FF30423 √√ BLEED VALVE 753010	1.9/ /2691 23005290/CAE-890210S	8051.17 FH 960.27 FH	OH-RR-CBV Compressor Bleed Valve Overhaul Overhaul	1500.00 FH	539.73 FH

StandardAero

Rolls-Royce

Engine Test Results

Model 250-C30SE

Customer: ORNGE AIR *** CAD FUNDS
Date: 09-Apr-15
TCN: LW261749
Shop Order: PMU9P
Run No.: 1

Engine S/N: CAE890210
Comp S/N: CAC90641
Turbine S/N: CAT90340
Gearbox S/N: CAG90615
RGB S/N: N/A

Engine performance data corrected to sea level, static (unity ram) standard day

Setting	CRC	CRB	CRA	NCR	TO	2.5 MIN
GPTOT				1240.0	1317.0	1371.0
SHP				586	667	721
Min Allow	334	418	501	557	650	700
% Var				5.2%	2.6%	3.0%
SFC	0.691	0.635	0.601	0.579	0.566	0.560
Max Allow	0.719	0.665	0.624	0.607	0.592	0.588
% Var	-3.9%	-4.6%	-3.7%	-4.6%	-4.5%	-4.8%
T/M Calibration at 700 HP = 98.6 PSIG						

Seal Vent Orifice= -3

I hereby certify that the engine identified above has been tested in accordance with Rolls-Royce overhaul manual 14W3 ED2 REV20 01 APRIL 2014 for the specified workscope.

Installed Parts & Tasks Report

ORNGE GLOBAL AIR
5310 Explorer Drive, .,
Mississauga,
ON,
Canada

Installed Parts & Tasks Report

Root Part#/Serial# : 23005290 / CAE-890210S **Times :** 13541:60 H **Cycles :** -

Part # / Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
23005290 / CAE-890210S ENGINE ASSEMBLY: 250C30S -	- - - -	24717.00 ESTARTS, 13541.60 H 24717.00 ESTARTS, 2421.10 H	IAM-RR-71-001** Oil System Inspection for Contamination Inspection	-	-
23005290 / CAE-890210S ENGINE ASSEMBLY: 250C30S -	- - - -	24717.00 ESTARTS, 13541.60 H 24717.00 ESTARTS, 2421.10 H	MC-H-76-0025-03 Power Check Inspection	- 25.00 H	- 25.00 H
23005290 / CAE-890210S ENGINE ASSEMBLY: 250C30S -	- - - -	24717.00 ESTARTS, 13541.60 H 24717.00 ESTARTS, 2421.10 H	MC-RR-0150-01 Engine Vibration Data Collection Inspection	- 300.00 H	- 238.97 H
23005290 / CAE-890210S ENGINE ASSEMBLY: 250C30S -	- - - -	24717.00 ESTARTS, 13541.60 H 24717.00 ESTARTS, 2421.10 H	MS-RR-0300-01 Replacement Of Engine Oil Inspection	365 Days 600.00 H	-21 Days 538.60 H

Legend: ** - As Required Task

Generated On: 5/12/2015 12:00:19PM

Installed Parts & Tasks Report

Root Part#/Serial# : 23005290 / CAE-890210S **Times :** 13541:60 H **Cycles :** -

Part# / Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
23005290 / CAE-890210S ENGINE ASSEMBLY: 250C30S -	- - - -	24717.00 ESTARTS, 13541.60 H 24717.00 ESTARTS, 2421.10 H	OGR-M-C30S-009 150-Hour Engine Inspection Inspection	- 150.00 H	- 88.60 H
23005290 / CAE-890210S ENGINE ASSEMBLY: 250C30S -	- - - -	24717.00 ESTARTS, 13541.60 H 24717.00 ESTARTS, 2421.10 H	OGR-M-C30S-010 300-Hour Engine Inspection Inspection	- 300.00 H	- 238.60 H
23005290 / CAE-890210S ENGINE ASSEMBLY: 250C30S -	- - - -	24717.00 ESTARTS, 13541.60 H 24717.00 ESTARTS, 2421.10 H	OGR-M-C30S-018 2000-Hour Engine Inspection Inspection	- 2000.00 H	- 1938.60 H
23051643 / CAC-90641 COMPRESSOR ASSEMBLY 723000	1.1 04/10/2015 23005290 / CAE-890210S -	26310.00 ESTARTS, 14738.20 H 25070.00 ESTARTS, 13506.00 H	MC-RR-2000-01 Compressor Spur Adapter Gear Shaft Inspection Inspection	- 2000.00 H	- 213.30 H
23051643 / CAC-90641 COMPRESSOR ASSEMBLY 723000	1.1 04/10/2015 23005290 / CAE-890210S -	26310.00 ESTARTS, 14738.20 H 25070.00 ESTARTS, 13506.00 H	MC-RR-2000-03 Compressor Rotor And Splined Adapter Insp Inspection	- 2000.00 H	- 213.30 H

Legend: ** - As Required Task

Installed Parts & Tasks Report

Root Part#/Serial# : 23005290 / CAE-890210S **Times :** 13541:60 H **Cycles :** -

Part # / Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
23076537 / JY105636 IMPELLER: COMPRESSOR 723020	1.1.1 07/07/2012 23005290 / CAE-890210S -	5095.00 ESTARTS, 1786.67 H	RL-RR-CI Compressor Impeller Assembly Retirement Life Retire	- 25000.00 ESTARTS, 15000.00 H	- 19905.00 ESTARTS, 13213.33 H
23076537 / JY105636 IMPELLER: COMPRESSOR 723020	1.1.1 07/07/2012 23005290 / CAE-890210S -	5095.00 ESTARTS, 1786.67 H	SDI-RR-CI Compressor Impeller Assembly Shop Detailed Inspection Inspection	- 12500.00 H	- 10713.33 H
23035128 / CAT-90340 TURBINE ASSEMBLY 725000	1.3 06/11/2009 23005290 / CAE-890210S -	27298.00 ESTARTS, 14922.70 H 218.00 ESTARTS, 61.40 H	MC-RR-2000-02 Compressor To Turbine Coupling Inspection Inspection	- 2000.00 H	- 685.10 H
23035128 / CAT-90340 TURBINE ASSEMBLY 725000	1.3 06/11/2009 23005290 / CAE-890210S -	27298.00 ESTARTS, 14922.70 H 218.00 ESTARTS, 61.40 H	OH-RR-TA Turbine Assembly Overhaul Overhaul	- 6000.00 ESTARTS	- 5782.00 ESTARTS
23073566 / SL14179A 1ST STAGE NOZZLE SHIELD 725011	1.3.1 06/11/2009 23005290 / CAE-890210S -	13303.00 ESTARTS, 14922.70 H 218.00 ESTARTS, 61.40 H	- - -	-	-

Legend: ** - As Required Task

Installed Parts & Tasks Report

Root Part#/Serial# : 23005290 / CAE-890210S **Times :** 13541:60 H **Cycles :** -

Part # / Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
M250-10227 / X612859 1ST STAGE WHEEL 725014	1.3.2 01/29/2014 23005290 / CAE-890210S -	218.00 ESTARTS, 61.40 H	RL-RR-TW1 First-Stage Turbine Wheel Retirement Life Retire	- 3000.00 ESTARTS, 2025.00 H	- 2782.00 ESTARTS, 1963.60 H
M250-10658 / X617292 2nd STAGE TURBINE WHEEL 725022	1.3.3 01/29/2014 23005290 / CAE-890210S -	218.00 ESTARTS, 61.40 H, 0.00 N2	RL-RR-TW2 Second-Stage Turbine Wheel Retirement Life Retire	- 3000.00 ESTARTS, 2025.00 H	- 2782.00 ESTARTS, 1963.60 H
6898663 / XX619575 3RD STAGE WHEEL 725070	1.3.4 01/29/2014 23005290 / CAE-890210S -	218.00 ESTARTS, 61.40 H, 0.00 N2	RL-RR-TW3 Third-Stage Turbine Wheel Retirement Life Retire	- 6000.00 ESTARTS, 4550.00 H, 6.00 N2	- 5782.00 ESTARTS, 4488.60 H, 6.00 N2
23066744 / X620502 4TH STAGE TURBINE WHEEL 725074	1.3.5 01/29/2014 23005290 / CAE-890210S -	218.00 ESTARTS, 61.40 H, 0.00 N2	RL-RR-TW4 Fourth-Stage Turbine Wheel Retirement Life Retire	- 6000.00 ESTARTS, 4550.00 H, 6.00 N2	- 5782.00 ESTARTS, 4488.60 H, 6.00 N2
23035179 / CAG-90615 ENGINE GEARBOX (C30S) 726010	1.4 06/09/2009 23005290 / CAE-890210S -	218.00 ESTARTS, 14642.30 H 218.00 ESTARTS, 11760.60 H	- - -	-	-

Legend: ** - As Required Task

Installed Parts & Tasks Report

Root Part#/Serial# : 23005290 / CAE-890210S **Times :** 13541:60 H **Cycles :** -

Part# / Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
6896810 / T0350 FUEL PUMP ASSY 731010	1.5 01/18/2010 23005290 / CAE-890210S -	7234.20 H 880.60 H	OH-RR-FP1 Fuel Pump (Argo Tech or TRW) Overhaul Overhaul	- 3000.00 H	- 757.80 H
23077067 / 1ZJ03850 FUEL NOZZLE 731040	1.6 06/10/2009 23005290 / CAE-890210S -	2669.20 H 61.40 H	MC-RR-0300-01 Fuel Nozzle Filter Inspection Inspection	- 300.00 H	- 238.60 H
23077067 / 1ZJ03850 FUEL NOZZLE 731040	1.6 06/10/2009 23005290 / CAE-890210S -	2669.20 H 61.40 H	OH-RR-FNZ Fuel Nozzle Overhaul Overhaul	- 2000.00 H	- 1938.60 H
23086751 / BR45532 PT GOVERNOR 732030	1.8 07/20/2009 23005290 / CAE-890210S -	3263.40 H 1271.90 H	CEB-73-3139 PT Governor Drive Bearing Replacement Others	- 1200.00 H	- 88.60 H
23086751 / BR45532 PT GOVERNOR 732030	1.8 07/20/2009 23005290 / CAE-890210S -	3263.40 H 1271.90 H	OH-RR-PTG3 Power Turbine Governor (BENDIX Model AL--AD1) Overhaul C30S Overhaul	- 2000.00 H	- 728.10 H

Legend: ** - As Required Task

Installed Parts & Tasks Report

Root Part#/Serial# : 23005290 / CAE-890210S **Times :** 13541:60 H **Cycles :** -

Part # / Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
23073353 / FF30423	1.9 11/13/2009	8039.30 H	OH-RR-CBV	-	-
BLEED VALVE	23005290 / CAE-890210S		Compressor Bleed Valve Overhaul	1500.00 H	551.60 H
753010	-	948.40 H	Overhaul		

Legend: ** - As Required Task

1. Approving Civil Aviation Authority/Country	2.	3. Form Tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE FORM ONE	ARCLW829094

4. Organization name and address

StandardAero
A GE Company

STANDARD AERO LTD
33 ALLEN DYNE ROAD
WINNIPEG, MANITOBA, CANADA, R3H 1A1 AMO 22-58

5. Work Order/Contract/Invoice
LW261749

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/batch No.	11. Status/Work
01	ENGINE ASSEMBLY	23005290	1	CAE890210	Repaired

12. Remarks **TSN:** 13541.6 **TSO:** 11921.1 **CSN:** 24717 **CSO:** Unknown

The product identified complete with (2) vibration brackets (less N2 Overspeed Control, Fuel Hose, Start Counter, & FCU to Fireshield Tube) has been repaired to correct Compressor FOD (Compressor Assy replaced and s/n CAC90641 installed) (Gearbox Assy & Turbine Assy has had an external visual serviceability inspection in accordance with Operations & Maintenance Manual 14W2 6th Ed. 21st Ed. 15/NOV/14) and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 20th Rev. Dated 01/APR/14 and the current maintenance rules of the Canadian Aviation Regulations. The following major parts were replaced: Comperssor Assy, Burner Drain Valve and (2) Tube Assy. The product is released serviceable for return to service in compliance with CAR 571, FAR Part 43.17 and EASA Part-145 (reference EASA Approval Certificate EASA.145.7059). All pertinent details of the work performed are on file at this organization under Work Order LW261749.

Customer PO: RO-001436-2015

Additional Comments:

The Engine comprises of the following:

Module	P/N	S/N	TSN	TSO	CSN	CSO
Compressor	23051643	CAC90641	14738.2	13506.0	26310	25070
Gearbox	23035179	CAG90615	14642.3	new	n/a	n/a
Turbine	23035128	CAT90340	14922.7	61.4	27298	218

13a. Certifies that the items identified above were manfactured in conformity to:

☐ **Approved design data and are in condition for safe operation.**

☐ **Non approved design data specified in block 12.**

14a. ☒ **CAR 571.10 Maintenance release.**

☒ **Other regulations specified in block 12.**

Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 was performed in accordance with Canadian Aviation Regulations.

13b. Signature	13c. Approved Organization Number	14b. Signature	14c. Approved Organization Number
N/A	N/A		SAL 1175 QI AMO 22-58
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
N/A	N/A	ROGER CERVANTES	10-Apr-2015

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 13a and 14a do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

(Previously Form 24-0078)

StandardAero

REPAIR AND OVERHAUL WARRANTY FOR MODEL 250

WARRANTY
StandardAero warrants that repairs and overhauls performed by StandardAero shall be free from defects in workmanship for the applicable warranty period subject to the terms and conditions herein. A defect shall mean the failure of an engine, module, or part to function in accordance with the applicable airworthiness authority or OEM's requirements due to StandardAero's workmanship. New parts embodied by StandardAero during an overhaul or repair shall be subject to the OEM's new part warranty.

WARRANTY PERIOD AND COVERAGE
This warranty shall be effective during the following warranty periods. The warranty period shall be the Engine Operating Time measured in hours or the number of months prescribed, whichever occurs first:

SERVICE	HOURS	FROM INSTALLATION	SINCE SHIPPED	COVERAGE
Accessories Overhaul	500 hours	12 months	12 months	0 – 500 hours 100%
Accessories Repair	500 hours	6 months	12 months	0 – 500 hours 100%
Engine Repair or Overhaul	500 hours	12 months	12 Months	0 – 500 hours 100%
OEM Embodied New Material	Per OEM	Per OEM	Per OEM	Per OEM

WARRANTY CLAIMS
To obtain warranty coverage, defects in workmanship must be discovered within the warranty period and StandardAero must be given prompt notice in writing no later than 3 days from the date the Customer knew or should have known of the defect. The engine, module or part must be returned to StandardAero no later than 30 days after such notification is made at the Customer's expense. The Customer must make any previously attached or related parts available to StandardAero upon request to assist in determining the cause of the defect.

StandardAero will assist the Customer by administering new parts warranty claims with the OEM on behalf of the Customer in accordance with OEM warranty policies. StandardAero will also assist the Customer by requesting that StandardAero's suppliers' and subcontractors' warranties with respect to parts embodied in or services provided on the Customer's engines, modules, or parts will be extended to and be enforceable by the Customer.

Engines, modules, or parts for which a warranty claim has been allowed, shall be returned to the Customer at StandardAero's expense. In the event that a warranty claim is denied, the engine, module, or part shall be returned to the customer C.O.D. and the cost of disassembly and reassembly to disclose the claimed defect and the cost of preparation of any technical report shall be borne by the Customer at StandardAero's current applicable hourly rates.

CONDITIONS FOR WARRANTY COVERAGE
This warranty is extended to the Customer that originally contracted StandardAero to perform the overhaul or repair service. This warranty may be transferred to another party with the prior written approval of Standard Aero and upon payment of a transfer fee of $100.00.

Warranty coverage may be denied if the engine, module, or part: (1) has not been maintained and operated in accordance with StandardAero's recommendations and the OEM's directives and instructions; (2) has been altered or repaired outside Standard Aero facilities; or (3) has been subjected to misuse, neglect, accident or damage from the elements.

WARRANTY LIMITATIONS AND EXCLUSIONS
Standard Aero does not warrant parts embodied or services performed by other companies.

The obligation of Standard Aero under this warranty is limited to the repair or replacement of the parts which failed due to defects in StandardAero's workmanship and shall not include the costs of parts or labor necessary for the disassembly, reassembly, or testing of the major assembly in which the defect occurred. In the event that life-limited parts covered by this warranty are damaged beyond repair, StandardAero shall only be obligated for the replacement value of such parts.

This warranty is in lieu of all other warranties expressed or implied, including but not limited to, any warranty of merchantability or fitness for a particular purpose. All other obligations and liabilities either direct or consequential on the part of Standard Aero relating to engines, modules, or parts are hereby expressly disclaimed.

This warranty does not include, and StandardAero will not be liable for any other remedy or liability for incidental or consequential damages of any kind, including but not limited to such damages resulting from a breach of contract or warranty, alleged negligence or otherwise, damage to airframe or other property, costs or expense of operation of the engine, module, or part or other equipment, loss of the use of the aircraft, lost profits or revenue, cost of capital, cost of substitute equipment, facilities or services, downtime costs, collection costs, attorneys fees, damages of any type, or claims of Customer's buyers or other third parties for such damages, or any other loss, claim or demand of any description. Unresolved warranty disputes shall be referred to binding arbitration pursuant to the laws and in the location to be determined solely by StandardAero.

The Customer acknowledges having read and accepts the warranty terms and conditions herein.

Ornge Air
Customer Name

10 April 2015
Date of Issue

CAE890210
Engine / Module / Part Serial Number

Authorized Signature

Revision Date: December 31, 2009

ornge

Component Tag

ORNGE GLOBAL AIR

5310 Explorer Drive, .,
Mississauga,
ON,
Canada
L4W 5H8

Serviceable

COMPONENT #	TSN /CSN	TSO/CSO	TSI /CSI
	Not Avlb. / Not Avlb.	Not Avlb. / Not Avlb.	Not Avlb. / Not Avlb.

PART #	SERIAL #	PART DESC.	OBJECT TYPE
6895800	unknown2	TUBE ASSY, COMPRESSOR DISCHARGE	Miscellaneous

REF. DOC TYPE	REF DOC #	DATE	CURRENT CONDITION
A/C Maint. Exe. Ref #	LC-007268-2014	12 Sep 201	Serviceable

REMOVAL DETAILS

COMP.REPLACE #	REMOVED BY	REMOVAL TYPE	REMOVAL CONDITION	REMOVAL DATE & TIME	
	1214	Unscheduled	Serviceable	10-Sep-201	01:01:00

AIRCRAFT REG #	TOTAL FH	NHA PART #	NHA SERIAL #	STATION	POSITION CODE
c-gimt	20413			YMO	

STOCK STATUS	SUPPLIER	CERTIFICATE #	EXPIRY DATE

REMOVAL REASON	SIGNATURE & STAMP
TRANSFER TO ANOTHER AIRCRAFT	1214 AMO 45-11 (Haynes Wynard)

REMARKS

890210
To service Eng. 890345

FROM ENGINE 890345

Serviceable

Ornge Global Technical Services
UNSERVICEABLE TAG

UNSERVICEABLE

Description (Unit or Part): ENGINE ASSY.		
Part #: 250C30[illegible]		
Serial #:		
Task Card #: ☐ Removed for troubleshooting		
DATE: 10 SEPT 2014	A/C Est. No.	A/C Reg.: C-GIMT
A/C TTSN	A/C Cycles	
Position: [illegible] ENGINE	Base: MOOSONEE	
Signature: [signature] (stamp: 1214 AMO 45-14)		

Reason For Removal or Rectification

COMPRESSOR F.O.D.

– ADDITIONAL OIL LEAK AT-NEAR #1 BRG. OIL INLET;

– VISUAL OIL MIST AT COMPRESSOR NOSE CONE INTAKE

OGA-TS-FORM-006-R1 (Unserviceable TAG)

A		
Defect WO / Task Card No.		
Description	COMPRESSOR F.O.D.	
Name		Identifier

B			
Job / Task Card No.		Date	
Description			
Grid No.		Panel No.	
Name		Identifier	

A			
Defect WO / Task Card No.	OIL LEAK AT-NEAR		
Description	#1 BEARING OIL		
Name			

B			
Job / Task Card No.		Date	
Description	INLET.		
Grid No.		Panel No.	
Name		Identifier	

CERTIFICATE OF CONFORMANCE

Detroit Diesel Allison certifies that the 250 Series Turboshaft Engine shipped herewith was manufactured in accordance with all applicable specifications, drawings and procedures. This certificate shall be of no force or effect upon expiration of the warranty provision applicable to this purchase order.

Engine Serial No. CAE 890210

Purchase Order No. _____

Robert E. Brown

Quality Assurance Department

9-23-79

Date

FORM 9538
(Rev. 7/78)

To: Our New Customer

From: Detroit Diesel Allison Division
General Motors Corporation

As the owner of a new Model 250 gas turbine engine, we want to take this opportunity to welcome you and acquaint you with services available for support of the engine.

We have established a worldwide network of Distributors to provide access to technical assistance, technical representatives, training, service and maintenance information, parts, engine inspection, engine repair, and engine overhaul. In addition, Distributors offer engine and engine module exchange programs, plus engine and engine module rental services, which provide backup support while your engine is under warranty and when it expires.

The companies selected to serve these functions are established businesses; recognized for their expertise in the gas turbine industry. For your convenience, we are listing these companies on the back of this page.

Some of these Distributors have established Service Centers within their distributorship areas, who provide facilities for even closer support.

We're sure the equipment manufacturer has advised you which Distributor has been appointed to serve the area where you'll be operating. We suggest you contact him soon to establish your lines of communications. Remember, wherever you are, there is a 250 Distributor or Service Center to help you.

January 1, 1978

DISTRIBUTOR	CITY, STATE, COUNTRY	PHONE
Aeromaritime, Inc.	Washington, D. C. Rome, Italy	(202) 457-7400 5910840, 5910798
Airwork Service Division	Milville, New Jersey	(609) 825-6000
Astra Helicopters, Ltd.	Johannesburg, South Africa	724-7377
Aviation Power Supply, Inc.	Burbank, California	(213) 842-5207
Cooper Airmotive, Inc.	Dallas, Texas	(214) 357-1811
Elicotteri Meridionali	Frosinone, Italy	23273
Hants & Sussex Aviation, Ltd.	Portsmouth, England	68316
Hawker Pacific Pty, Ltd.	Sydney, Australia	649-0111
Standard Aero, Ltd.	Winnipeg, Canada	(204) 775-9711

January 1, 1978
Revised March, 1979

Allison Model 250-B17, -C20, -C28, -C30 Series
New Original Equipment Engine Warranty and Disclaimer Summary

Detroit Diesel Allison Division (Allison) of General Motors Corporation warrants that Allison will, through an authorized Allison Model 250 Distributor (Distributor) repair or replace any Model 250 series new engine or new engine part sold by Allison to an aircraft manufacturer for installation in a new aircraft which is returned to a Distributor with transportation charges prepaid to and from Distributor and which has failed or malfunctioned, or at time of delivery, is defective in material or workmanship or not in conformity with the applicable model specification effective at time of delivery to the aircraft manufacturer, subject, however, to each of the following limitations and exclusions:

1. The period of this warranty for each model is limited as follows:

   A. For new engines installed in new aircraft sold by the aircraft manufacturer as new (except for normal aircraft acceptance testing), twelve (12) months after date of delivery from the aircraft manufacturer or one-thousand (1000) hours of operation or cycle limitation as defined by the then current revisions of Commercial Service Letter (CSL) No. 1005 (C20), No. T. P. 1016 (B17), No. 1028 (C20B), No. 1073 (C20F), No. 2005 (C28), No. 3005 (C30), whichever period expires first.

   B. For new engines installed in new aircraft sold by the aircraft manufacturer as used (other than for normal aircraft acceptance testing), twelve (12) months after date of commencement of such use by the aircraft manufacturer or one-thousand (1000) hours of operation or cycle limitation as defined in the then current revision of CSL No. 1005 (C20), No. T. P. 1016 (B17), No. 1028 (C20B), No. 1073 (C20F), No. 2005 (C28), No. 3005 (C30) whichever period expires first.

   Allison's obligation to repair or replace new engines or new engine parts is further limited as follows (see illustration below):

   (1) If less than 500 hours of operation there will be no charge for parts and labor.

   (2) If more than 500 hours but less than 1000 hours of operation, the amount of warranty credit against the charge for parts and labor will be determined as follows:

$$\frac{1000 - \text{Hours of Operation}}{500} \times \text{Charge}$$

2. Optional equipment not manufactured by Allison and not a part of the basic engine assembly such as Engine Air Particle Separator and Auto Reignition Controls are excluded from this warranty. The only warranty applicable to these type components are those offered by the manufacturer of the component.

3. A notice in writing of a warranty claim must be given to a Distributor not later than 30 days after the claimed failure, malfunction, defect or non-conformity is discovered and the new engine or new engine part must be returned to Distributor not later than 90 days after such notification is made.

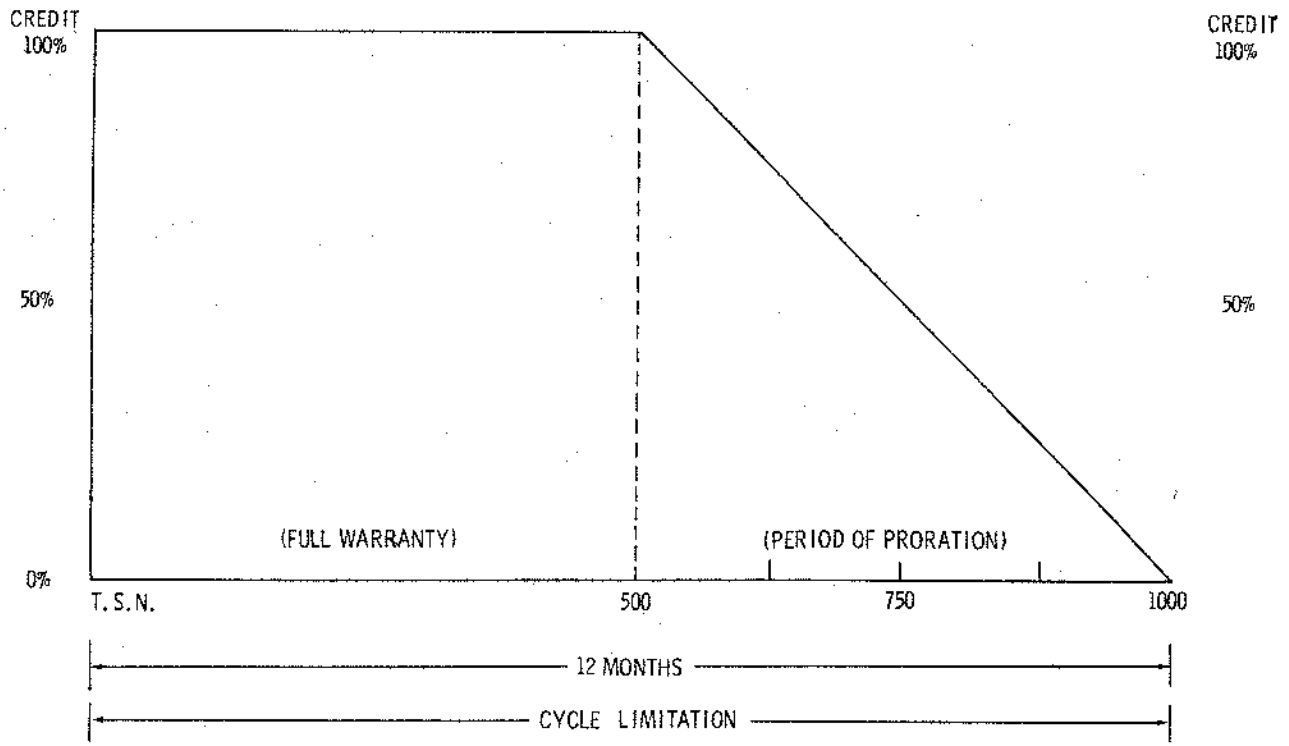
4. This warranty shall not apply to failures, malfunctions, defects or non-conformities of engines or engine parts attributable in whole or in part to the failure to preserve, install, operate, maintain, repair, replace or alter the same in accordance with applicable recommendations by Allison, or attributable in whole or in part to misuse, neglect, or accident including foreign object damage whether in operation, in transit, or in storage.

5. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY NON-CONTRACTUAL LIABILITIES INCLUDING PRODUCT LIABILITIES BASED UPON NEGLIGENCE OR STRICT LIABILITY. ANY ADDITIONAL OR DIFFERENT LIABILITIES ASSUMED BY ALLISON MUST BE CONTAINED IN A WRITING SIGNED BY AN AUTHORIZED EMPLOYE OF ALLISON.

6. The obligations of Allison under this warranty are limited to the repair or replacement of engines or engine parts as provided herein and do not include any remedy or liability for incidental or consequential damages of any kind, whether for damage to airframe or other property, for costs or expenses of operation of engines, for commercial losses or lost profits due to loss of use or grounding of engines or aircraft or otherwise.

   In no event, whether as a result of breach of contract or warranty, alleged negligence or otherwise, shall Allison be liable for special or consequential damages including, but not limited to, loss of profits or revenue, loss of use of the engine or engine parts or other equipment, cost of capital, cost of substitute equipment, facilities or services, downtime costs, or claims of customers of buyer(s) for such damages.

Revised June 1, 1979



New Spare Engine and New Spare Part Warranty and Disclaimer

roit Diesel Allison Division (Allison) of General Motors Corporation warrants that Allison will, through an authorized Allison Model 250 Distributor (Distributor) re-r or replace any Model 250 Series new engine or new engine part sold by a Distributor for installation in a certified aircraft which is returned to Distributor with trans-lation charges prepaid to and from Distributor and which has failed or malfunctioned or, at time of delivery, is defective in material or workmanship or not in con-nity with the applicable model specification at time of delivery to the Distributor, subject, however, to each of the following limitations and exclusions:

1. The period of this warranty for each model is limited as follows:

   A. New spare engines which have been preserved in accordance with published Allison procedures twelve (12) months from date of installation or one-thousand (1000) hours of operation or cycle limitation as defined in the then current revision of Commercial Service Letter (CSL) No. 1005 (C20), No. T. P. 1016 (B17), No. 1028 (C20B), No. 1073 (C20F), No. 2005 (C28), No. 3005 (C30) whichever period expires first if installed within three (3) months after date of shipment from a Distributor. Installations occurring after more than three (3) months from date of shipment from a Distributor will be fifteen (15) months from date of shipment or one thousand (1000) hours of operation or cycle limitation as defined in the then current revision to CSL No. 1005 (C20), No. T. P. 1016 (B17), No. 1028 (C20B), No. 1073 (C20F), No. 2005 (C28), No. 3005 (C30) whichever period expires first.

   Allison's obligation to repair or replace new spare engines or new spare parts is further limited as follows (see illustration below):

   (1) If less than 500 hours of operation there will be no charge for parts and labor.

   (2) If more than 500 hours but less than 1000 hours of operation, the amount of warranty credit against the charge for parts and labor will be determined as follows:

$$\frac{1000 - \text{Hours of Operation}}{500} \times \text{Charge}$$

   B. New Spare Engine Parts installed during the course of an overhaul or repair of an engine or engine part carry the warranty period applicable to the engine model, however, reimbursement for labor and parts required to disassemble, assemble, and test the major unit in which the failed new part is installed will not be allowed. Labor and parts required to repair only the failed new part is allowed.

2. Optional equipment not manufactured by Allison and not a part of the basic engine assembly such as Engine Air Particle Separator and Auto Reignition Controls are excluded from this warranty. The only warranty applicable to these type components are those offered by the manufacturer of the component.

3. A notice in writing of a warranty claim must be given to a Distributor not later than 30 days after the claimed failure, malfunction, defect or non-conformity is discovered and the new engine or new engine part must be returned to Distributor not later than 90 days after such notification is made.

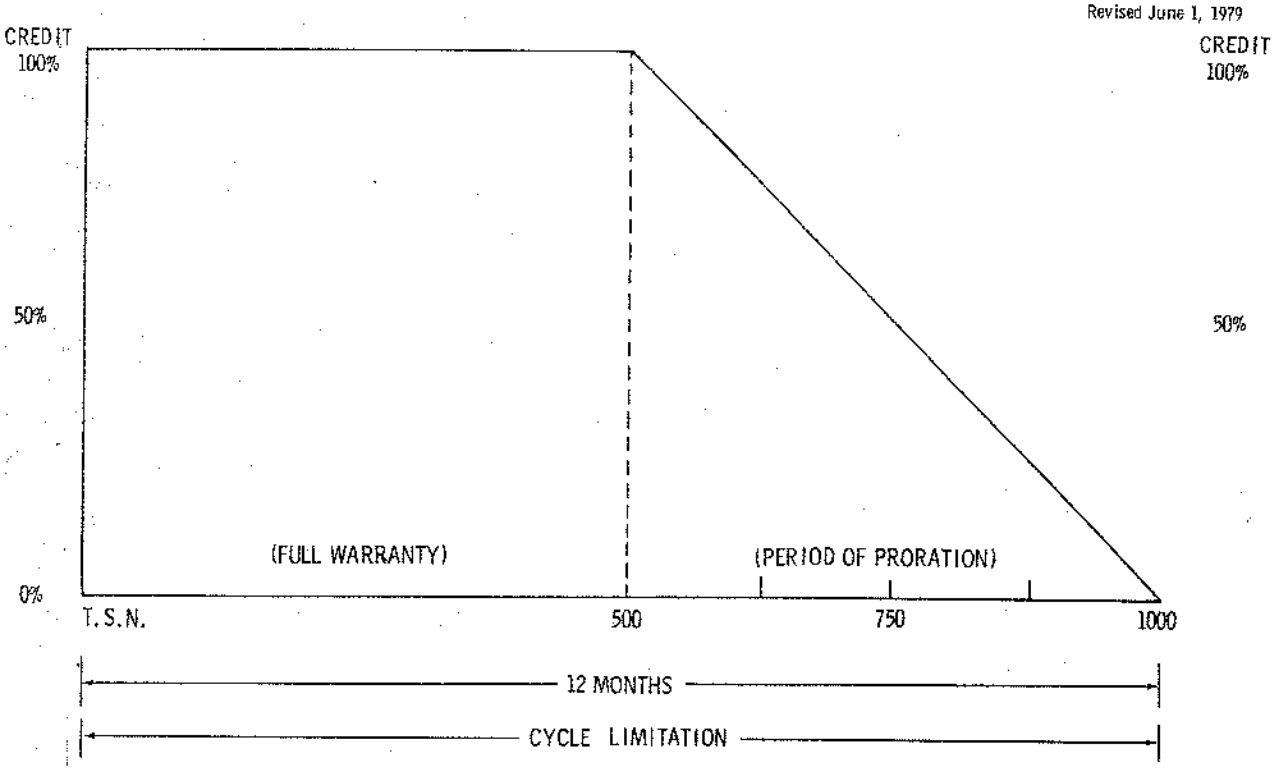
4. This warranty shall not apply to failures, malfunctions, defects or non-conformities of engines or engine parts attributable in whole or in part to the failure to preserve, install, operate, maintain, repair, replace or alter the same in accordance with applicable recommendations by Allison, or attributable in whole or in part to misuse, neglect, or accident including foreign object damage whether in operation, in transit, or in storage.

5. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY NON-CONTRACTUAL LIABILITIES INCLUDING PRODUCT LIABILITIES BASED UPON NEGLIGENCE OR STRICT LIABILITY. ANY ADDITIONAL OR DIFFERENT LIABILITIES ASSUMED BY ALLISON MUST BE CONTAINED IN A WRITING SIGNED BY AN AUTHORIZED EMPLOYE OF ALLISON.

6. The obligations of Allison under this warranty are limited to repair or replacement of engines or engine parts as provided herein and do not include any remedy or liability for incidental or consequential damages of any kind, whether for damage to airframe or other property, for costs of expenses of operation of engines, for commercial losses or lost profits due to loss of use or grounding of engines or aircraft or otherwise.

   In no event, whether as a result of breach of contract or warranty, alleged negligence or otherwise, shall Allison be liable for special or consequential damages including, but not limited to, loss of profits or revenue, loss of use of engine or engine parts or other equipment, cost of capital, cost of substitute equipment, facilities or services, downtime costs, or claims of customers of buyer(s) for such damages.

Revised June 1, 1979



Form 9825

INSTRUCTIONS

1. The pages in this engine log book are color coded as follows:

   White - Engine Assembly
   Blue - Compressor Assembly
   Canary - Gearbox Assembly
   Cherry - Turbine Assembly

2. Keep the pages that have entries upon them in the front of the book in the order mentioned above. Keep the spare blank pages in the back of the book behind the engine test log envelope.

3. As new pages are added number them in numerical order.

4. There is no Part V for the Gearbox Assembly

IMPORTANT

5. All records must stay with a given assembly as follows:

   a. When an engine assembly is transferred to any activity for overhaul, repair, warranty claim, etc., the entire log book must accompany the engine assembly.

   b. When a compressor assembly, gearbox assembly, or turbine assembly is transferred to another activity for overhaul, repair, warranty claim, etc., all pages for that assembly that have entries upon them must be removed from the log book and accompany that assembly to its destination.

   c. The replacement assembly received will be accompanied by its own log book data. (A complete log book will accompany each engine assembly; appropriate log book pages will accompany each replacement compressor, gearbox or turbine assembly shipped from Detroit Diesel Allison.)

6. Make all log book entries promptly.

7. Additional log book pages can be ordered from your authorized Detroit Diesel Allison distributor.

Ornge Global Technical Services
UNSERVICEABLE TAG

UNSERVICEABLE

Description (Unit or Part): ENGINE ASSY.

Part #: 250C30S

Serial #: CAE-890210

Task #:

☐ Removed for troubleshooting

DATE	A/C Est. No.	A/C Reg.
10 SEPT. 2010		C-GIMY

A/C TTSN	A/C Cycles

Position	Base
#2 ENGINE	Moosonee

Signature: Wyn [signature]

1214 AMO 45-11

Reason For Removal or Rectification

- COMPRESSOR F.O.D.
- ADDITIONAL OIL LEAK AT-NEAR #1 BRG. OIL INLET.
- VISUAL OIL MIST AT COMPRESSOR NOSE CONE INTAKE

OGA-TS-FORM-006-R1-(Unserviceable TAG)

Removed Serviceable

Ornge Global Technical Services
TRACEABILITY / MAINTENANCE RELEASE TAG

TRACEABILITY INFORMATION

Description: COMPRESSOR DISCHARGE TUBE	TTSN: / TCSN:
Part No.: 6895800	TTSO:
Serial No.: UNKNOWN 2	TCSO:
Removed Serviceable From (Aircraft Registration): C-GIMT / ☐ Held for Troubleshooting	Removal Date (D D M M Y Y Y Y): 10 SEPT. 2014
Expiry Date (D D M M Y Y Y Y): / Task Card No.:	Task Card Date (D D M M Y Y Y Y):
Receiving Reference No.: FROM ENG. S/N 890345 / Purchase Order No.:	Last Receiving Date (D D M M Y Y Y Y):

CERTIFICATION

The item described above has been inspected and its previous certification verified.

ACA (Signature & Identifier): Wym Hagen [stamp: 1214]

DATE: 10 SEPT. 2014

ALL MAINTENANCE RELEASE INFORMATION TO BE ENTERED ON REVERSE SIDE OF TAG ONLY

OGA-TS-FORM-005[illegible]-Traceability - Maintenance Release Tag

Ornge Global Technical Services

TRACEABILITY / MAINTENANCE RELEASE TAG

MAINTENANCE RELEASE

The maintenance described has been performed in accordance with the applicable airworthiness requirements. Details of outstanding or additional work required as noted.

☐ Repaired ☐ Tested ☐ Modified ☐ Fabricated

Signature	Identifier #	Date

Details of work performed

~~INSTALLED~~
TO SERVICE ENGINE
S/N CAE-890210

Additional work to be performed upon installation

AIRCRAFT RECORD OF INSTALLATION

Aircraft Registration

Log Sheet / Task Card No.

Position

A/C TTSN

A/C Cycles

Date 19 SEPT 2014

Replacing Serial No. UNKNOWN 1

ACA Identifier 1214

ACA Signature

Service Record
Engine Assembly

Rolls-Royce

Part I
Page No. 3

Engine Serial Number CAE- 8902105 Engine Model 250- C30S

Installed				Removed			
Date	A/C S/N Reg. #	Engine Time Since OH	Engine Time Total	Date	Engine Time Since OH	Engine Time Total	Reason
07 JULY 2009	760130 C-GIMT	10606.2	12226.7	21 ~~22~~ JUN 2013	11859.7	13480.2	COMPONENT WEAR DUE ~~TO FOREIGN DUE~~
30 JAN 2014	760130 C-GIMT	11859.7	13480.2	10 SEP 2014	11921.1	13541.6 ~~11982.5~~	FOD
14-MAR-2016	760271 C-FABH	11921.1	13541.6	16 APR 2016	11932.97	13553.47	FAILING N1 LIMITING + GROUND POWER ASSURANCE CHECKS

F-2782A (12/98) (F)

Part IV
Page No. 1

INSPECTION — MAINTENANCE — OVERHAUL RECORD
ENGINE ASSEMBLY

FORM 2784A-1 (4-79)
Engine Serial Number CAE - 890210S   Engine Model 250-C30S

Date	Engine Time: Since OH	Engine Time: Total	Remarks	Signature	Organization
9-23-79	NEW	0.0	FUEL SYSTEM PRESERVED WITH		
			MIL-O-6081 OIL.	[signature]	DDA-GMC
6 Sep 80	No Prev.	223.1	Engine Repaired on SAL W/O	[signature]	S.A.L.
			59278		
19.12.80		379.1	CSC. 3030 CARRIED OUT (BRG GREASE WEIGHT)	[signature]	OKANAGAN
21.1.81	914.6		C.S.L 3035 FOURTH STAGE TURBINE	[signature]	"
5.3.81	1022.8	-	CSL 3038 FIREWALL 42457	[signature]	OKanagan
18.3.81	1036.3		CEB-A-73-2012	[signature]	OKanagan
11.4.81	1076.5		CEB 73 3013 fuel filter Sealing Ring	[signature]	OKanagan
23 MAR 1982	NO PREVIOUS	814.2	ENGINE REPAIRED W/O #86324	[signature]	SAL - DOT 22-58

INSPECTION—MAINTENANCE—OVERHAUL RECORD
ENGINE ASSEMBLY

FORM 2784A-1 (4-79)

Engine Serial Number CAE- 890210 S Engine Model 250-C30S

Date	Engine Time Since OH	Engine Time Total	Remarks	Signature	Organization
5 Sept 82	N.P	980.2	Engine repaired w/o 13029	T Kennedy	SAC 22158
1 OCT 1984	No Prev.	998.3	Engine Repaired w/o 18418		SAL
	0.0	1620.5	Assy O/H'd IAW 14W3 w/o EV04957		OHL
1 DEC 1984	37.9	1658.4	AD's c/w + Repaired IAW 14W3 w/o EV05054		OHL
APR 1985	76.0	1696.5	Repaired + Modified IAW 14W3 + Rev. 72-5/72-6 on w/o EV05128		
8 AUG 1987	1670.0	3290.5	REPAIRED I.A.W. 14W3 ON OKAN W/O EV25144		OHL
2.02.91	3112.9	4733.4	ENGINE ASSEMBLY REPAIRED IAW 14W3 ON CHL w/o EV26335.		CHL

Allison **AIRWORK**

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

Engine Serial Number CAE 890210 S Engine Model 250-C30S

AL8E 681-3

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
12-8-89	2381.9	4002.4	Inspected, repaired & tested per manufacturer's specifications.	WEBeggs	AIRWORK
			This certifies that only work requested by the customer and described on our work order listed below was accomplished & inspected in accordance with manufacturers specifications & with current Federal Aviation Administration regulations and is approved for return to service. Pertinent details of this repair are on file under:		
	2525.5 2381.9		Job No. M01948 Date DEC. 8, 1989		
			Signed WEBeggs A&P1554250G1		
			for Airwork Corporation (C.R.S. 3507)		
			Municipal Airport, Millville, New Jersey 08332		

AIRWORK

Allison

SERVICE RECORD
ENGINE ASSEMBLY

Part I
Page No. 2

Engine Serial Number CAE 890210S Engine Model 250-C30S

ALBE 681-1

INSTALLED					REMOVED			
			Engine Time			Engine Time		
Date	Owner	A/C or Eng. S/N	Since OH	Total	Date	Since OH	Total	Reason
			CSO 8170 2381.9	CSN 4002.4		CSO 4697 2425.5	CSN 6193 4046.0	
3-31-90	Air Methods / CHE	N376LL	2425.5	4046.0	11/09/90	3112.9	4733.4	Loss of power in flig
MAR 4 '91	CHL - GIME #1	-	3112.9	4733.4	21.5.94	CSO 7435 4869.4	CSN 8931 6489.9	TURBINE T/X
20.10.94	CHE GIMJ #1	9601.9	4869.4	6489.9	15.4.98	CSO 8577 5503.5	CSN 10377 7124.0	SERVICEABLE
21APR98	CHE GIMD	6867.7	5503.5	7124.0	22APR98	5503.5	7124.0	Compressor stalls
26 NOV 99	CHE GIMJ #1	AIP 8335.1	5503.5	7124.0	AIP 9783.6 15 NOV 00	6352.0	7972.5	TURBINE NGAL TX
DUE CSN 11884 10APRIL2001	CHE C-FSBH #2	AFT: 13336.6	6352.0	7972.5	AIP 9478.6 24JAN03	7494.0	9114.5	CASE IN CSN 140 COMPRESSOR STALL
END CSN 14099 07JUN03	AIP 16860.4 #2 CHL CGIMM	760044	7494.0	9114.5	AIP 16967.1 22JUL03	7600.7	9221.2	CSN 14357 STALLING
CSN 14357 03SEP03	AIP 6360.8 #2 CHL - CGIMW	760226	7600.7	9221.2	AIP 6606.0 25JAN04	7845.9	CSN 15064 9466.4	POSSIBLE HGA STGE GOV FAILURE & BROKEN STUD CONSEQUENCE ON GOVERN
CSN 15064 01MAY04	AIP 17547.3 #1 CHL - CGIMM	760044	7845.9	9466.4	AIP 12303.1 09MAY05	8601.7	CSN 16862 10222.2	TRANSFERRED TO CGIMT
CSN 16862 12MAY05	AIP 15623.7 #2 CHL CGIMT	760130	8601.7	10222.2	AIP 15727.7 29JUN05	8705.7	CSN 17065 10326.2	TURBINE TIMEX
CSN 17065 27SEP05	AIP 13988.0 #1 CHL CGIMV	760005	8705.7	10326.2	30MAR07	9500.0	11120.5	LOW POWER
5 JUL 07	CHL CGIMW #2	760226	9500.0	11120.5	31MAR09	10606.2	12226.7	TURBINE CYCLED O

FORM 2782A-1 (4-79)

TRANSFER RECORD

Part II
Page No. 1

Engine Serial Number CAE - 890210S

Engine Model 250-C30S

SHIPPED			Engine Time		RECEIVED	
Date	From	To	Since OH	Total	Date	By
9-23-79	DDA-GMC	SIKORSKY AIRCRAFT	NEW	0.0	SEPT 79	SIKORSKY A/C
/1/80	SIKORSKY A/C	OKANAGAN	new	4.8	FEB 80	OKANAGAN
JUNE 80	OKANAGAN	S.A.L.	NO PREVIOUS	223.1	3 JULY 80	S.A.L.
Sep 80	S.A.L.	Okanagan	No Prev.	223.1		
Nov 81	OKANAGAN HEL	SAL	No Prev	814.2	20 Nov. 81	SAL
MAR 82	S.A.L.	OKANAGAN HELI	NO PREV.	814.2		
Nov 82	OKANAGAN	SAL	No Prev	992.3	23 Nov 82	SAL
Dec 82	SAL	OKANAGAN HEL	No Prev.	992.3		
					9-21-89	AIRWORK
-8-89	AIRWORK	CANADIAN HELI	2381.9	4002.4		
					2-14-90	AIRWORK
17-90	AIRWORK	ARTIC AIR SERV.	2425.5	4046.0		
					3-30-90	Air Methods / Lifelink III St Paul, MN

SERVICE RECORD
ENGINE ASSEMBLY

Part I
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FORM 2782A-1 (4-79)

Engine Serial Number CAE- 890210S

Engine Model 250-C30S

INSTALLED					REMOVED			
			Engine Time			Engine Time		
Date	Owner	A/C or Eng. S/N	Since OH	Total	Date	Since OH	Total	Reason
26Nov79	Sikorsky A/C	760038	New	New	JUNE 80	NO PREVIOUS	223.1	LOW N1, N2, N.R DROOP
6.10.80	OkanaganHeli	760017	NoPrev.	223.1	15/10/81	-	814.2	
16/6/82	OKANAGAN HELI	760042	NO PREV.	814.2	04/09/82	-	980.2	
07/11/82	Okanagan	GIMG	N.P.	980.2	15 Nov 82	NP	992.3	LOW POWER.
06/01/83	Okanagan	GIML	No Prev.	992.3	31/07/83	NP	1382.8	4th time Rob.
OCT 18 1983	Okanagan	GIMM	NP	1382.8	AUG 5 '84	NP	1620.5	
16 NOV '84	OKANAGAN	2835.4 A/F hrs GIMN	0.0	1620.5	13 AUG '84	37.9	1658.4	Modifications
18 JAN '85	OKAN	AF 3435.2 GIMG	37.9	1658.4	22 MAR '85	76.0	1696.5	CRACKED COMP. SCROL
22 MAY '85	OKAN GIMQ	AIF 2936.5 GIMQ	76.0	1696.5	13 JUL '85	231.2	1851.7	
25 SEP '85	OKAN	AIF 3257.3 GIMQ	231.2	1851.7	19 FEB '86	573.1 ~~577.6~~	2193.6	HIGH T5 LOW POWER.
26 FEB '86	AIF 4524.0 OKAN GIML	GIML	573.1 ~~577.6~~	2193.6	13 JUL '86	829.9	2450.4	CRACKED GEARSHAFT
24 JUL '86	AIF 3897.5 OKAN GIMQ	GIMQ	829.9	2450.4	4 JUL '87	1670.0	3290.5	TURB TX
6 JUN '88	AIF 5577.4 OKAN GIMK	GIMK	1670.0	3290.5	19.03.89	2381.9	4002.4	

AIRWORK Allison TRANSFER RECORD

Part II
Page No. 2

Engine Serial Number CAE 890210S Engine Model 250-C30S

SHIPPED					RECEIVED	
			Engine Time			
Date	From	To	Since OH	Total	Date	By
JAN 25 2004	CANADIAN	S.A.L	7845.9	9466.4	FEB 12 2004	S.A.L.
Feb 25/04	S.A.L.	CANADIAN	7845.9	9466.4		
Sept 14/05	SAL	CHL	8705.7	10326.2		

FORM 2783A (11-77)

MODIFICATION RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE - 890210$ Engine Model 250-C30$

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
N/A to this Eng S/N	AD 79-09-05 Amnd 39-3433	Engine Over Speed Control.		SIKORSKY AIR QUALITY ASSU
	CEB 73-3006 R-1			SIKORSKY AIRCRAFT QUALITY ASSURANCE
Factory Inc.	CEB 75-3004	Air-System - Compressor Bleed Valve Screen - Add		SIKORSKY AIRCRAFT QUALITY ASSURANCE
Factory Inc.	CEB 72-3014	No 1 Bearing Oil Pressure Supply Tube Clamp.		SIKORSKY AIRCRAFT QUALITY ASSURANCE
31 JAN 80	CEB 72-3028	Engine mag plugs		SIKORSKY A/C
6 Sep 80	CEB-72-3007	/ 72-3010- FOUND EMBODIED		S. A. L.
23 MAR 82	CEB 75-3004	FOUND EMBODIED		SAL - DOT 22-58
23 MAR 82	CEB 72-3018	DISCHARGE TUBE BRACKET PLATES-ADD		SAL - DOT 22-58
23 MAR 1982	CEB 73-3004	P2 AIR FILTER - ADD		SAL - DOT 22-58
23 MAR 1982	CEB-A-73-3012	GOVERNOR DRIVE SHAFT INSPECTION.		SAL - DOT 22-58
23 MAR 1982	CEB-A-73-3014	TUBING ALIGNMENT - INSPECT.		SAL - DOT 22-58
23 MAR 1982	CEB 73-3013	L.P. FUEL FILTER SEAL RING - INSPECT.		SAL - DOT 22-58
23 MAR 1982	CEB-A-73-3015	N_2 OVERSPEED CONTROL - ADD LOCKWIRE		SAL - DOT 22-58

FORM 2783A (11-77)

MODIFICATION RECORD
ENGINE ASSEMBLY

Part III
Page No. 2

Engine Serial Number CAE- 890210S   Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
3 MAR 1982	CEB-75-3005	BLEED VALVE ORIFICES - REPLACE		SAL - DOT 22-58
3 MAR 1982	CEB-75-3006	BLEED VALVE INSTALLATION - MODIFY		SAL - DOT 22-58
3 MAR 1982	CEB-75-3007	BLEED VALVE REPLUMBED CONFIGURATION		SAL - DOT 22-58
3 MAR 1982	CEB75-3009	BLEED VALVE VENT PLUG - ADD		SAL - DOT 22-58
3 MAR 1982	CEB75-3012	BLEED VALVE GASKET - REPLACE		SAL - DOT 22-58
~~[illegible]~~	~~[illegible]~~	~~F.C.U. Accel. Flow Schedule Adj - Add~~		~~SAL~~
23 Dec 82	CEB-73-3004,	Found Embodied		
31 OCT 1984	AD79-16-06, 81-13-12R1, 82-24-05	found embodied		OHL
31 OCT 1984	AD 83-22-05	Inspect turbine shafting / couplings		"
31 OCT 1984	T84-17-51	Allison C30 buied procedure THD-1977W RMC-84		"
31 OCT 1984	CEB 72-3026	Modify start counter mount brkt edge radius		"
31 OCT 1984	-3067	Convert C30 to C30S		"
31 OCT 1984	-3091	Newscroll to air tube flange adapter		"
31 OCT 1984	-3115	Add reinforcement wire patch		"

FORM 2783A (11-77)

MODIFICATION RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE-890210S Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
31 OCT 1984	CEB73-3011	Add retaining ring keeper		OHL
31 OCT 1984	-3013	Inspect filter element sealing rings		4
31 OCT 1984	-3014	Fuel pump to L.P. fuel filter tube alignment		4
31 OCT 1984	-3015	Add lock washers to ground jumper wires relocate		4
31 OCT 1984	75-3015	Replace comp. bleed gasket		OHL
31 DEC 1984	T84-24-54	Turb.-Comp Coupling - rmv from serv.		OHL
31 DEC 1984	84-24-02	Update eng to "Allison Assured Engine"		OHL
25 APR 1985	A383-22-05	Turb. Shafting/couplings - insp.		
"	84-17-51R1	C30 Build procedure		
"	T84-24-54	Turb to Comp coupling replacement		
"	CSL A-3066	N. Shafting insp.		
26 AUG 1987	ADT85-06-51	MAGNETIC PLUGS RPLC FIE EV25154		
26 AUG 1987	AD85-25-07	OUTER COMB. CASE MOD FIE EV25154		OHL
26 AUG 1987	AD85-25-08	COMP MOUNT RPLC FIE EV25154		4

ORM 2783A (11-77)

MODIFICATION RECORD
ENGINE ASSEMBLY

Part III
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Engine Serial Number CAE-890210S Engine Model C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
28 AUG 1987	AD86-19-12	ENG MODS F/E EV25154	[signature] OKH 102 E.S.	OHL
28 AUG 1987	AD86-20-13	SPLINED ADAPTER LOCKNUT TORQUE F/E EV25154		〃
28 AUG 1987	CEB72-3027	FIRESHIELD INSUL. BLANKET MOD F/E EV25154		〃
28 AUG 1987	CEB72-3066	FLIGHT APPROVED COVERS F/E EV25154		〃
28 AUG 1987	CEB72-3136	EXT. CONTAIN. RING RMVL F/E EV25154		〃
28 AUG 1987	CEB73-3001	FCU & GOV SCREENED ORIFICES RPLC F/E EV25154		〃
28 AUG 1987	CEB73-3002	FCN START-ACCELECATION FLOW SCHEDULE ADJ F/E EV25154		〃
28 AUG 1987	CEB73-3005	N2 OVERSPEED & COMP. BLEED CTL F/E EV25154 SOLENOIDS - RPLC SPRINGS F/E EV25154		〃
28 AUG 1987	CEB73-3007	L.P. FUEL FILTER CWR F/E EV25154		〃
28 AUG 1987	CEB73-3008	N2 OVERSPEED CTL - RPLC F/E EV25154		〃
28 AUG 1987	CEB73-3009	FCU & LEVER & BELLOWS - MOD F/E EV25154	[signature] OKH 102 E.S.	〃

FORM 2763 A

MODIFICATION RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE 890210S Engine Model C30S1

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
28 AUG 1987	CEB 73-3010	FCU BELLOWS DAMPER RING ADD FIE EV25154	[signature]	ORH 102 E.S. OHC
28 AUG 1987	CEB A-73-3021	FCU & GOV INSP BUSHINGS FIE EV25154		"
28 AUG 1987	CEB 73-3022	FCU-GOV ADD FILTER FITTINGS FIE EV25154		"
28 AUG 1987	CEB 75-3002	BLEED ~~VALVE~~ OIL CONTROL SYS ADD FIE EV25154		"
28 AUG 1987	CEB 75-3008	AIR VALVE - REDUCE PISTON DIA FIE EV25154		"
28 AUG 1987	CEB 75-3011	B.V. BELLOWS RPLC FIE EV25154		"
28 AUG 1987	CSL 3077	TURB. ALIGN BUILD PROC. FIE EV25154		"
28 AUG 1987	CEB 72-3110	VERTICAL FIREWALL MOUNTING PADS RPLC		"
28 AUG 1987	CEB 72-3138	OIL SUPPLY LINE - CHECK VALVE INST		"
28 AUG 1987	CEB A-72-3165	G.P. PRESS OIL TUBE RPLCMT		"
28 AUG 1987	CEB A-73-3032	SCROLL TO PC FILTER TUBE - INSP		"
28 AUG 1987	CEB 75-3003	B.V. GASKET - ADD		"
28 AUG 1987	CEB 75-3012	B.V. MOUNTING GASKET - RPLC BY STAINLESS	[signature]	ORH 102 E.S. "
28 AUG 1987	CEB 75-3013	SOLENOID VALVES - RPLC RIVETS		"

Allison **AIRWORK**

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

CAE 8902105

Date	Engine Time Since OH	Engine Time Total	Remarks	Signature	Organization
3-17-90	CSO 3286 2425.5	CSN 4782 4046.0	Inspected, repaired & tested per manufacturer's specifications.		AIRWORK
COUNTER	5443				

This certifies that only the work requested by the customer and described on our work order listed below, was accomplished and inspected in accordance with manufacturer's specifications and with current Federal Aviation Administration regulations, and is approved for return to service. Pertinent details of this repair are on file at this agency under:

Job No. M03646 Date MAR 17, 1990

Signed G. Fagan A&P1980967 for

Airwork Corporation - (QT2R121L)
Millville Municipal Airport
Millville, New Jersey 08332

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INSPECTION — MAINTENANCE — OVERHAUL RECORD
ENGINE ASSEMBLY

2784A (11-77)

Engine Serial Number CAE 890210 Engine Model 250-C30

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
31 Mar 90	2425.5	4046.0	Installed Engine S/N CAE890210		
			T.T. 4046.0 Cycles as per Fax		
			4782 I.A.W. Sikorsky Maint		
			Manual Chapter 71. Engine		
			Alignment within limits	[illegible] Hailey [illegible]	Air Methods
4 May 90		4144.0	C/W #2 Eng S/N CAE 890210 100 hr		
			Insp as per allision M/M pgs		
			72-00-00 607-612. No defects found		
			Oil Flow check 120cc. ACFT T.T.		
			1863.4 on 4 May 90. Next Insp due		
			1963.4 ACFT T.T.	[illegible] 145543513	Air Methods

Part IV
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INSPECTION — MAINTENANCE — OVERHAUL RECORD
ENGINE ASSEMBLY

2784A(11-77)

Engine Serial Number CAE 890210$ Engine Model 250C30 $

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
4 May 90		1863.4	C/W #2 Eng S/N CAE 890210$ 100		
			hr chip detector Test. No defects		
			found. ACIT T.T. 1863.4 on 4 May 90.	[illegible] AP 1455345313	Air Methods
14 MAY 90		4179.8	CEB 73-3050, recall of certain Bendix power	Scott Ellinger	Air Methods
			turbine Governors, not applicable at this date	A&P 508924066	
			or time due to Governor S/N 25162 installed.		
4 June 90		4242.8	100 HR Insp C/W at 1962.2 Acft HRS, 4 June 90	Scott Ellinger	Air Methods
			on engine S/N CAE 890210$ I/A/W Allison M.M.	A&P 508924066	
			Section 72-00-00, table 603, Pages 602-612 and has		
			been determined to be in an airworthy condition. Oil		
			Flow check OK at 130 CC.		

AVIALL
A RYDER SYSTEM Company

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

Engine Serial Number CAE 890210$ Engine Model 250-C30$

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
3JulY90		4342.7	100/300 HR Insp C/W on Engine S/N CAE 890210$		
			I/A/w Allison M.M. pages 607-614 Section 72-00-		
			00. Oil Flow checked OK at 175cc. Leak checked		
			OK. Engine Returned to service at 2062.1 Act	Jack E Thompson	AIR METHODS
			hrs T.T. / 3JulY90.	A#P508924066	
1AUG90		4442.3	100 HR INSP C/W on Engine S/N CAE 890210$ I/A/w Allison		
			M.M. Section 72-00-00 pages 607-612. Oil Flow		
			checked OK at 170cc. Leak checked OK. Engine Returned	Jack E Thompson	AIR METHODS
			to service at 2161.6 Act HRS T.T. / 1Aug 90.	A#P508924066	
30Aug90		4537.3	100 HR Insp C/W on Engine S/N CAE 890210$ I/A/w Allison		
			M.M. Section 72-00-00 pages 607-612. Oil Flow checked		
			OK at 170 cc. Leak checked OK. Engine Returned to service	Jack E Thompson	AIR METHODS
			at 2256.6 Act HRS T.T. / 30 Aug 90.	A#P508924066	

AVIALL
A RYDER SYSTEM Company

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

Engine Serial Number CAE 890210$ Engine Model 250-C30$

Date	Engine Time: Since OH	Engine Time: Total	Remarks	Signature	Organization
28SEPT90		4631.5	100/300 HR INSP C/W on Engine S/N CAE890210$		
			I/A/W Allison M.M. Section 72-00-00 pages 607-619.		
			Oil Flow checked ok at 120CC. Leak check OK. Engine	[signature]	AIR METHODS
			Returned to service at 2350.9 Acft HRS. T.T/28SEP90	A+P528924066	
8NOV90		4730.3	100 HR INSP C/W on Engine S/N CAE890210$		
			I/A/W Allison M.M. Section 72-00-00 pages 607-612		
			Oil Flow checked ok at 120CC. Leak Check OK. Engine	[signature]	AIR METHODS
			returned to service at 2449.7 Acft HRS T.T./8NOV90.	A+P528924066	
9NOV90		4733.4	Engine Lost Power in flight. Engine would		
			not restart. Hung start at 24% N1. Removed	[signature]	AIR METHODS
			Engine at 4733.4 eng Hrs. T.T./6193 cycles.	A+P528924066	

A-3A042-3 R6-89

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INSPECTION — MAINTENANCE — OVERHAUL RECORD
ENGINE ASSEMBLY

2784A(11-77)

Engine Serial Number CAE-890210S   Engine Model 250-C30S

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
7 Oct.94	4869.4	6489.9	Engine repaired and tested IAW 14W3 manual on CGT W/O# 94-10574. 1750HR		CANADIAN GAS TURBINE
12 Oct. 99	5503.5	7124.0	Engine repaired and tested IAW 14W3, 300 hour inspection carried out IAW 14W2 manual on ACRO Aerospace W/O# 99-75371.		ACRO AEROSPACE INC
6 Apr.2001	6352.0 cso: 10392	7972.5 csn: 11888	Engine repaired and tested IAW 14W3, 2000 hour inspection carried out IAW 14W2 on ACRO Aerospace W/O# 20-13072.		ACRO AEROSPACE INC.

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INSPECTION—MAINTENANCE—OVERHAUL RECORD

ENGINE ASSEMBLY

784A(11-77)

Engine Serial Number CAE 890210 Engine Model 250-C30S

Date	Engine Time Since OH	Engine Time Total	Remarks	Signature	Organization
JUL 26, 2003	7494.0	9114.5	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Engine (less bleed valve) has been repaired for cracked compressor scroll in accordance with Rolls-Royce Model 250-C30 Overhaul Manual 14W3 2nd Ed., 8th Rev., dated November 1, 2001 and the current maintenance rules of the Canadian Aviation Regulations. The engine tested serviceable and is approved for return to service in accordance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW443251.	B Bormak	SAL-AMO-22-5[illegible] S.A.L. 501 Q.1. DUANE BORNIAK
7 JUN 03	7494.0	9114.5	3000 HR INSP C/O IAW WITH INSP. PROG P0820W AND SAL LW443251 TRANSCRIBED FOR DAVE NEWMAN 105 93-15	M. Remes	

Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

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Engine Serial Number CAE- 890210 Engine Model 250- C30S

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
Aug 22, 2003	7600.7	9221.2	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693		
	CSO: UNK	CSN: 14357	Engine P/N 23005290 S/N CAE 890210 (less fuel control) has been repaired (Compressor exchanged, Turbine serviceability inspection, Gearbox serviceability inspection) for stalling and tested in accordance with Rolls-Royce Model 250-C30 Overhaul Manual 14W3 2nd Ed., 8th Rev., dated November 1, 2001, and the current maintenance rules of the Canadian Aviation Regulations. The engine is approved for return to service following a completion of satisfactory functional test while installed in the airframe. The work performed is approved in compliance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW468708. ON C/L PO 5/4837 B	[signature] DUANE ZORNIAK	SAL-AMO-22-58 SAL 501 QI

GT-2784A (12/98)

Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

Part IV
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Engine Serial Number CAE-890210S   Engine Model 250-C30S

Date	Engine Time: Since OH	Engine Time: Total	Remarks	Signature and Certificate No.	Organization
Feb 25/04	7845.9 CSO: UNK.	9466.4 CSN: 15,064	STANDARD AERO www.standardaero.com — 33 Allen Dyne Road, Winnipeg, Manitoba, Canada R3H 1A1, Phone: 204-788-2693 Engine Assembly p/n 23005290 s/n CAE890210S has been repaired to replace (1) pulled stud on the governor mounting pad; remainder was given an external visual serviceability inspection. Engine was tested (less Governor) at induction to confirm customer's complaint of high vibrations; high vibrations not confirmed. All work was performed in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Edition 9th Rev. Dated 01/03/03 and Maintenance Manual 14W2 6th Edition 10th Rev. Dated 15/11/03. 150, 300 and 2000 hr inspections have been complied with (engine only) as indicated in the supplied checklist, in accordance with 14W2 6th Edition 10th Rev. Dated 15/11/03. The product is released for return to service, on a time continued basis, subject to satisfactory functional test results following installation on the airframe. All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of work performed are on file at this organization under Work Order LW468739. On eitl PO 516023-uuB	[signature]	SAL 303 [stamp] SAL-AMO-22-58
		[illegible handwriting]			

Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

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Engine Serial Number CAE-890210S Engine Model 250-C30S

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
FEB 25 2004	7845.9	9466.4	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693		
	CSO: UNK.	CSN: 13064	Engine Assembly p/n 23005290 s/n CAE890210S has been repaired to replace (1) pulled stud on the governor mounting pad; remainder was given an external visual serviceability inspection. Engine was tested (less Governor) at induction to confirm customer's complaint of high vibrations; high vibrations not confirmed. All work was performed in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Edition 9th Rev. Dated 01/03/03 and Maintenance Manual 14W2 6th Edition 10th Rev. Dated 15/11/03. 150 and 300 hr inspections have been complied with (engine only) as indicated in the supplied checklist, in accordance with 14W2 6th Edition 10th Rev. Dated 15/11/03. **The product is released for return to service, on a time continued basis, subject to satisfactory functional test results following installation on the airframe.** All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of work performed are on file at this organization under Work Order LW468739.		SAL 303 QI
				[signature]	SAL-AMO-22-68

GT-2784A (12/98)

Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

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Engine Serial Number CAE- 8902106   Engine Model 250- C30S

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
Sept14/05	8705.7 CSO: unk	103262 CSN: 17065	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Engine Assembly (received less & shipped less N2 Overspeed,) has been repaired for cycle expired 1st & 2nd stage turbine wheels, 2000 hour inspection on combustion section and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 2nd Ed 11th Rev., dated April 1, 2005. The 150, 300, 2000 Hour Inspections have been complied with (engine only) as indicated in the supplied sheets in accordance with Rolls-Royce 250-C30 Operations and Maintenance Manual. The following major parts are replaced: spur adapter gearshaft, 1st & 2nd stage turbine wheels and nozzles, bearing. The engine is approved for return to service on a time continued basis. All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW542356. ONCHL 518 527 M-Besner for L Watts 077	[signature]	SAL 303 QI SAL-AMO-22-58 LORNA RICHARD

ST-2784A (12/98)

GT-2784A (8/98)

Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

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Engine Serial Number CAE-890210S Engine Model 250-C30S

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
30 MAY 07	9500.0	11120.5	STANDARD AERO — www.standardaero.com — 33 Allen Dyne Road, Winnipeg, Manitoba, Canada R3H 1A1, Phone: 204-788-2693		
	CSO: UNK	CSN: 18795	Engine Assembly p/n 23005290 s/n CAE890210S complete with (2) vibration brackets (less N2 Overspeed Control, Fuel Hose Assy & Start Counter) has been repaired to correct low power (OCC & Discharge Tubes were NDT inspected & pressure tested) (Compressor Assy had a 2000 hr spline inspection performed iaw CSL-A-3066R5 & a custom contour applied to the shroud housing) (Gearbox Assy had stud replacement; remainder had an external serviceability inspection) (Turbine Assy was overhauled) and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 13th Rev. Dated 01/04/07 and Maintenance Manual 14W2 6th Ed. 13th Rev. Dated 15/11/06. **150 & 300 hr inspections have been complied with (engine only) as indicated in the supplied checklist iaw 14W2 6th Ed. 13th Rev. Dated 15/11/06.** The following major part was replaced: Combustion Liner. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW593755.		SAL 661 QI — SAL-AMO-22-58 — Rebecca Perrault — REBECCA PERRAULT
05 July 07	9500.0	11120.5	Installed Engine S/N CAE-890210S	Transcribed for H. Jarvis #177 [illegible]	CHL
31 MAR 09	10606.2	12226.7	Removed Engine S/N CAE-890210S	Transcribed for H. Jarvis #177 [illegible]	CHL

-2784A (8/98)

Inspection - Maintenance - Overhaul Record

Rolls-Royce

Engine Assembly

Part IV
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Engine Serial Number CAE-890210S Engine Model 250-C30S

Date	Engine Time Since OH	Engine Time Total	Remarks	Signature and Certificate No.	Organization
JUN 09	10606.2	12226.7	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Engine Assembly p/n 23005290 s/n CAE-890210 complete with (2) vibration brackets (less N2 Overspeed Control, Fuel Hose & Start Counter) has been repaired to replace cycle expired 1st & 2nd stage turbine wheels, low power & gearbox vibrations (OCC & Discharge Tubes were NDT inspected & pressure tested; combustion liner was overhauled) (Compressor Assy s/n CAC-90104S installed) (Gearbox Assy s/n CAG-90615 installed) (Turbine Assy s/n CAT-90340 installed) & tested (150 hr vibration test performed) in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 15th Rev. Dated 01/04/09. **150, 300 & 2000 hr inspections have been complied with (engine only) as indicated in the supplied checklist iaw Maintenance Manual 14W2 6th Ed. 15th Rev. Dated 15/11/08.** The following major parts were replaced: Anti-Icing Tube & Gearbox Assy. **The product is released serviceable for return to service, on a time continued basis.** All pertinent details of work performed are on file at this organization under Work Order LW741400.		
	CSO: UNK.	CSN: 21705			
					SAL 661 QI
					SAL-AMO-22-58
					Rebecca Perrault
					REBECCA PERRAULT
JUN 09	10606.2	12226.7	Reid CHL PO# 526609	165931018	CHL
	CSO UNK	CSN 21705			

Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

Part IV
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Engine Serial Number CAE- 890210 Engine Model 250- C30S

Date	Engine Time Since OH	Engine Time Total	Remarks	Signature and Certificate No.	Organization
20 July 2009	1149.2	12269.7	Rem'd PT GOVERNOR P/N 23070101 S/N 21030	Transcribe for Luke Williams #1184	[signature]
—	—	—	INSTALLED P/N 23086751 S/N BR45532	TRANSCRIBE for Chris Wiering #1017	[signature]
13 Nov 2009	1472.7	12593.8	Rem'd P/N 23073353 S/N FF43555 (Timken)		
—	—	—	installed same P/N S/N FF30423	Transcribe for Jay Walter #165-93-1024	[signature]
18 Jan 2010	1540.5	12661.0	Rem'd P/N 6896810 S/N T0373 (Timken)		
—	—	—	Installed P/N 6896810 S/N T0350	Transcribe for Douglas Boten #165-93-1061	[signature]
30 June 10	1902.8	13023.3	Removed FCU P/N 23070613 S/N BR54131 (Timex)	Transcribed for C Joseph	C.Joseph [signature]
			Installed same P/N S/N 332717	Transcribe for Craig Zimmerman #165-93-1061	[signature]
21 June 2013	~~13480.2~~ 11839.7	~~11839.7~~ 13480.2	Removed from C-GIMT @ 20352.0 AFTT		
		4005	Transcribed for J. Hicks	AMO 95-11-1157	
			Engine cy count: CSN: 24499	[signature]	95-11-1005

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Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

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ngine Serial Number CAE- 890210 Engine Model 250- C30S

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
24 OCT. 13	11859.7	13480.2	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-318-7588		
	CSO: UNK	CSN: 24499			
			Engine Assembly p/n 23005290 s/n CAE890210 complete with (2) vibration brackets (less N2 Overspeed Control, Fuel Hose, Start Counter & FCU to Fireshield Tube) has been repaired (2000 hr inspections were performed on the combustion section) (Compressor Assy s/n CAC90104 installed) (Gearbox Assy s/n CAG90615 installed) (Turbine Assy s/n CAT90340 installed) & tested iaw Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 19th Rev. Dated 01 Apr. 2013. The following major parts were replaced: OCC, Combustion Liner, Thermocouple Terminal & (2) Spark Igniters. **150, 300 & 2000 hr inspections have been complied with (engine only) as indicated in the supplied checklist iaw Maintenance Manual 14W2 6th Ed. 19th Rev. Dated 15 Nov. 2012. The product is released serviceable for return to service, on a time continued basis.** All pertinent details of work performed are on file at this organization under Work Order LW261112.		SAL MO 2458 Rebecca Perrault REBECCA PERRAULT

GT-2784A (7/03)

Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

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ngine Serial Number CAE- 890210 Engine Model 250- C30S

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			

GT-2784A (7/03)

ASSEMBLY RECORD
ENGINE ASSEMBLY

Part V
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FORM 2785A-1(4-79)

Engine Serial Number CAE - 890210S Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
GEARBOX	6896424	90215	9-23-79	0.0	NEW	3Jul80	223.1	NoPrev	LOW POWER
COMPRESSOR	6896410	90215	"	"	"	"	"	"	"
TURBINE	6898685	90214	"	"	"	"	"	"	"
CONTROL	6899308	326244	"	"	"	"	"	"	"
GOVERNOR	6898867	21878	"	"	"	"	"	"	"
PUMP	6896810	0119	"	"	"	"	"	"	"
NOZZLE	6899001	AG50260	"	"	"	"	"	"	"
BLEED VALVE	6899269	FE27643	"	"	"	10/05/80	136.0	136.0	
N2 O.S.CONT	23001751	RD11389	"	"	"	"	"	"	"
N2 O.S.VALVE	6899254	12	"	"	"	"	"	"	"
N1 PICKUP	6898540	A248	"	"	"	"	"	"	"
N2 PICKUP	6899145	A199	"	"	"	"	"	"	"

ASSEMBLY RECORD

ENGINE ASSEMBLY

FORM 2785A-1(4-79)

Engine Serial Number CAE - 890210S Engine Model 250- C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
Bleed Valve	C30-BV	FF27644	10/05/80	1360	0.00	3 July 80	223.1	87.1	Low Power
Compressor Assy.	6896410	CAE 90215	6SEP 80	223.1	223.1	20 Nov 81	814.2	814.2	
Gearbox Assy.	6896424	CAE 90215	"	"	223.1	20 Nov 81	814.2	814.2	
Turbine Assy.	6898685	CAT 90214	"	"	223.1	3.5.81	616.6	616.6	OPERATIONAL REASONS
F-Governor	6898867	21878	"	"	223.1	Inuse	—	—	
Fuel Control	6899308	326237	"	"	226.4	16 APR 81	644.5	617.5	Low Power
Fuel Pump	6896810	0119	"	"	223.1	15/10/81	814.2	814.2	
Fuel Nozzle	5233600	AG 50260	"	"	223.1	—	—	—	
Bleed Valve	6899269	FF 27644	"	"	87.1	20 Nov 81	814.2	678.2	
T O/S Control	23001751	RD 11389	"	"	223.1	20 Nov 81	814.2	814.2	
N1 Sol. Valve	6899254	12	"	"	223.1	15/10/81	814.2	814.2	
N2 Speed Pick-up	6899145	A199	"	"	223.1	20 Nov 81	814.2	814.2	

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ASSEMBLY RECORD
ENGINE ASSEMBLY

Part V
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Engine Serial Number CAE- 890210S Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
N1 Pickup	6898540	A248	6SEP80	223.1	223.1	20Nov81	814.2	814.2	
Elect. Harness	6899259		"	"	223.1	20Nov81	814.2	814.2	
Rear Mtg Plate	6892824	10530	"	"	223.1	20Nov81	814.2	814.2	
Start Counter	6894627	7917	"	"	223.1	20Nov81	814.2	814.2	
Bleed Cont.	~								
Sol. Valve	6894069	889	"	"	223.1	20Nov81	814.2	814.2	
Air Discharge Tubes (2)	6895800	SK2743 SK2744	"	"	223.1	20Nov81	814.2	814.2	
Comb. Liner Assy.	6899081	536	"	"	223.1	20Nov81	814.2	814.2	
Comb. Case Assy.	6899237	22608	"	"	223.1	20Nov81	814.2	814.2	
Fuel Control	6899308	326272	16.4.81	674.5	279.6	Rmvd	—	—	
Turbine Assy	6898685	90214	3.5.81	741.3	114.1	Rmvd.	—	—	
Turbine	6898685	90214	27/9/81	745.3	667.2	20Nov81	814.2	736.1	
Governor	6898867	21029	24/9/81	766.6	258.3	20Nov81	814.2	805.9	

FORM 190A (BACK)

ASSEMBLY RECORD
ENGINE ASSEMBLY

Part V
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CAE 890210

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
Fuel Control	6899308	326233	24/9/81	766.6	2583	20 Nov 81	814.2	305.9	
COMPRESSOR	6898610	CAE-90215	23 MAR 82	814.2	814.2 TSN	23 Dec 82	992.3	992.3	Repair
GEARBOX	6896424	CAE-90215	23 MAR 82	814.2	814.2 TSN	23 Dec 82	992.3	992.3	Repair
TURBINE	6898685	CAE-90214	23 MAR 82	814.2	736.1 TSN	23 Dec 82	992.3	914.2	Repair
GOVERNOR	6898867	21029	23 MAR 82	814.2	305.9	23 Dec 82	992.3	484.0	
FUEL CONTROL	6899308	326233	23 MAR 82	814.2	305.9	29/6/82	849.8	341.5	
FEED VALVE	23003136	FF26544	23 MAR 82	814.2	00.0	04/09/82	980.2	166.0	
FUEL NOZZLE	5233600	AG44461	23 MAR 82	814.2	00.0	07/11/82	980.2	130.4	
FUEL PUMP	6896810	0016	23 MAR 82	814.2	282.3	31 OCT '84	1620.5	1088.6	
Fuel Control	6899308	324727	29/06/82	849.8	0.0	07/11/82	980.2	130.4	
Fuel Control	6899265	326935	07/11/82	980.2	526.9	23 Dec 82	992.3	914.2	
Fuel Nozzle	6899001	AG50297	07/11/82	980.2	1697.0	05-06-83	1282.9	1999.7 TSN	
Compressor	23005250	CAE 90337	23 Dec 82	992.3	629.5	31 OCT '84	1620.5	1267.7 TSN	
Gearbox	23005652	CAE 90521	23 Dec 82	992.3	613.7	31 OCT '84	1620.5	1241.9 TSN	
Bleed Valve	23003136	FF26544	07/11/82	980.2	166.0	31/07/83	1382.8	568.6	

NOTE: THIS COMPONENT SHIPPED LOOSE WITH ENGINE, 23 MAR 82.

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ASSEMBLY RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE 890210$ Engine Model 250-C30$

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
Turbine	6898685	CAT 90339	23 Dec 82	992.3	855.7	31 OCT '84	1620.5	TSN 1483.9	
Governor	2524692-5	24168	19/02/83	1140.3	102.7	31/7/83	2632.4	449.2	
Fuel Nozzle	6899001	AG44667A	05.06.83	1282.9	0.0	31 OCT '84	1620.5	337.6	
Fuel Control	2524745-4K	326241	OCT 18 1983	1382.8	1185.3	OCT 24 1983	1382.8	1185.3	
Bleed Valve	23001762	FF30482	OCT 18 1983	1382.8	TSN 826.8	NOV 01 1983	1392.1	TSN 836.1	
Governor	2524692-5	21851	OCT 18 1983	1382.8	0.0	31 OCT '84	1620.5	237.7	
Fuel Control	2524745-17	329826	OCT 24 1983	1382.8	289.4	31 OCT '84	1620.5	527.1	
Bleed Valve	23005456	FF26570	NOV 01 1983	1392.1	587.9	31 OCT '84	1620.5	816.3	
Gearbox	23005652	CAE-9D338	31 OCT '84	1620.5	0.0	13 JUL'86	2450.4	829.9	
Compressor	23006250	CAE-90205	31 OCT '84	1620.5	0.0	26 FEB'86	2193.6	573.1 ~~573.6~~	
Turbine	23004540	CAT-90098	31 OCT '84	1620.5	0.0	26 FEB'86	2193.6	573.1 ~~573.6~~	
Bleed Valve	23003136	FF36877	31 OCT '84	1620.5	0.0	26 FEB'86	2193.6	573.1 ~~573.6~~	
Fuel Control	2524745-19M	353467	31 OCT '84	1620.5	0.0	22 NOV'85	1696.5	76.0	

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ASSEMBLY RECORD
ENGINE ASSEMBLY

Part V
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ngine Serial Number CAE-890210S Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
IEL NOZZLE	5233600	AG50397	31 OCT '84	1620.5	551.5	26 FEB'86	2193.6	1124.6	
UEL PUMP	6896810	0016	31 OCT '84	1620.5	1088.6	13 JUL'85	1851.7	1319.8	
OVERNOR	2524692-8	20629	31 OCT '84	1620.5	638.4	22 MAY'85	1696.5	714.4	
OVERNOR	2524692-8	~~27625~~	~~23 SEP'85~~						ERROR MADE
OVERNOR	2524692-7	26913	22 MAY'85	1696.5	389.1	13 JUL'85	1851.7	544.3	
L CTL	2524745-19M	329826	22 MAY'85	1696.5	916.2	13 JUL'85	1851.7	1071.4	
OVERNOR	2524692-8	27625	23 SEP'85	1851.7	0.0	19 FEB'86	2193.6	341.4 ~~352.2~~	TO 8903245
EN CTL	2524745-19M	329935	23 SEP'85	1851.7	274.6	19 FEB'86	2193.6	616.5 ~~626.0~~	
EL PUMP	6896810	0136	23 SEP'85 ~~13 JUL'85~~	1851.7	T.S.O. 1732.0	19 ~~Feb~~ '86	2193.6	NA	
MPRESSOR	23006250	CAE-90323	26 FEB'86	2193.6	393.9 ~~394.4~~	28 AUG '87	3290.5	1490.8	
RBINE	23004540	CAT-90137	26 FEB'86	2193.6	393.9 ~~394.4~~	28 AUG '87	3290.5	1490.8	
ED VALVE	23005366	FA 26631	26 FEB'86	2193.6	393.9 ~~394.4~~	28 AUG '87	3290.5	1490.8	
EL NOZZLE	5233600	AG 60462	26 FEB'86	2193.6	1874.4	7 MAY'86	2319.9	2000.7	TX

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ASSEMBLY RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE-890210S Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
FUEL CONTROL	2524745-19M	334127	26 FEB '86	2193.6	T.S.N 1270.6	3 JUL '86	2425.4	1501.9	TX
GOVERNOR	2524692-9	24913	26 FEB '86	2193.6	949.8	13 JUL '88	2450.4	1206.6	
FUEL NOZZLE	5233600	AG 50756	17 MAY '86	2319.4	0.0		PREVIOUSLY REMOVED		
FUEL CONTROL	2524745-20	336241	3 JUL '86	2425.4	0.0	27 JUL '88	2455.3	29.9	
GEARBOX	23005652	CAE-9[illegible]	21 JUL '86	2450.4	T.S.N. 875.5	28 AUG '87	3290.5	TSN 1715.6	
Fuel Pump	6896810	0525	19 FEB '86	2193.6	TSO: 126.0	28 FEB '86	2204.4	136.3	
Fuel Pump	50046006	153	28 FEB '86	2204.4	409.7	15 MAR '86	2239.6	444.9	
Fuel Pump	50046006	227	15 MAR '86	2239.6	1480.0	21 MAR '86	2258.4	1498.8	
Fuel Pump	6896810	0126	24 JUL '86	2258.4	NP	26 SEP '86	2408.2	NP	
Fuel Pump	6896810	0052	[illegible] SEP '86	2408.2	0.0	14/09/88	3542.3	942.1	
GOVERNOR	23006268	24189	[illegible] JUL '86	2450.4	1375.4	23 JUN '87	3255.0	2180.0	TX
FUEL CTL	2524745-19M	325447	27 JUL '86	2455.3	1482.2	[illegible] MAR '87	2971.0	1997.9	
FUEL CTL	2524745-20	324750	[illegible] MAR '87	2971.0	0.0	[illegible] JUL '87	3290.5	319.5	

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ASSEMBLY RECORD
ENGINE ASSEMBLY

Part V
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Engine Serial Number CAE-890210S Engine Model C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
GOVERNOR	23007874	23598	~~23/6/87~~ ~~4 JUL '87~~	3255.0	0.0	4 JUL '87	3290.5	35.5	
GEARBOX	23005652	CAG-90227	28 AUG '87	3290.5	1474.2	07-12-90	4733.4	2917.1	
COMPRESSOR	23005250	CAC-90228	28 AUG '87	3290.5	1474.2	9/89	4002.4	2186.1	REPAIR
TURBINE	23004540	CAT-90207 FF	28 AUG '87	CSN 5422 3290.5	0.0	9/89	CSN 4002.4	711.9	REPAIR
BLEEDVALVE	23005366	26629	28 AUG '87	3290.5	621.8				PREVIOUSLY REMOVED
FUEL CTL	23030639	325447	28 AUG '87	3290.5	0.0	10/09/88	~~3526.7~~ 3525.0	~~236.2~~ 234.5	
GOVERNOR	23007874	20629	28 AUG '87	3290.5	1495.5	10.12.88	3792.3	1997.3	
Fuel Control	2524745-RM	326898	10/09/88	~~3526.7~~ 3525.0	785.1	28.11.88	3737.4	995.8	TO ENG #2
Fuel Pump	6896810	0175	14/09/88	3542.3	2074.9				TRANSFERED REMOVED
Fuel Control	2524745-RM	326898	28.11.88	3737.4	1397.0	30.12.88	3841.8	1501.4	
GOVERNOR	2524692-8	21848	10.12.88	3792.3	785.1	— Removed			
Fuel Control	23030617	326227	30.12.88	3841.8	~~1114.7~~ 1501.4				FUEL CTL REMOVED
COMPRESSOR	23005250	90228	12-8-89	4002.4	2186.1	07-12-90	4733.4	2917.1	

AIRWORK

Allison

ASSEMBLY RECORD
ENGINE ASSEMBLY

Part V
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Engine Serial Number CAE 890210S   Engine Model 250-C30S

ALBE 681-4

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
TURBINE	23071925	90207	12-8-89	4002.4	711.9	2/90	4046.0	755.5	REPAIR
Governor	23007814	84020055	Dec 6/89	4002.4	240.9				
TURBINE	23071925	90207	3-17-90	4046.0	755.5	07.12.90	4733.4	1442.9	
O.S Control	23004821	RD 14668	3-31-90	4046.0	314.4				
Fuel Pump	[illegible]	227	03/31/90	[illegible]	[illegible]	22.1.90	4046.0	1096.6	
Fuel Control	23007850	326207	03/31/90	4046.0	[illegible]	/ removed			
Governor	23007824	25162	03/31/90	[illegible]	659.[illegible]	/ removed			
Bleed Valve	[illegible]	[illegible]	03/31/90	[illegible]	178.8	07.12.90	4733.4	865.4	
Fuel Nozzle	[illegible]	[illegible]	03/31/90	4046.0	178.4	19.3.93	~~5198.7~~ 5866.[illegible]	1998.7	O/H
GEARBOX	23035179	CAG 90615	22.2.91	4733.4	776.3	17-6-94	6489.9	2532.8	Repair
COMPRESSOR	23051643	CAC 90076	22.2.91	4733.4	2447.9	17-6-94	6489.9	4204.4	Repair
TURBINE	23033195	CAT 90374	22.2.91	4733.4	0.0	17-6-94	6489.9	1756.5	Overhaul
BLEED VALVE	23005366	FF 30499	22.2.91	4733.4	0.0	6.11.93	6231.8	1498.4	FOR O/H

AIRWORK

Allison

ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V
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SERIAL NO. CAE 890210$ ENGINE MODEL C30$

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
FUEL PUMP	6896810	0163	22.2.91	4733.4	132.7	11.9.95	7034.7	2434.0	FUEL PRESS. LIGHT ON
~~GOVERNOR~~	~~23007874~~	~~25462~~	made in error						
~~GOVERNOR~~	~~23007874~~	~~24709~~	~~05.04.92~~	~~4697.3~~	~~55.3~~	error			
FUEL NOZZLE	6899001	AG51884	19.3.93	5866.1 ~~5178.7~~	0.0	23.10.95	7108.9	1242.8	ANE THOUGHT UNIT WASTY
GOVERNOR	23007874	24709	05.04.92	5384.7 ~~5866.1~~	55.3	15APR98	7124.0	1794.6	Convenience
UEL CONTROL	23034700	336843	24.7.93	6096.5	0.0	15APR98	7124.0	1027.5	Convenience
LEED VALVE	23005366	FF30457	6.11.93	6231.8	0.0	15APR98	7124.0	892.2	Convenience
EARBOX	23035179	CAG90243	7-10-94	6489.9	T.S.N. 4043.2	15APR98	7124.0	4677.3	Convenience
OMPRESSOR	23051643	CAC90076	7-10-94	6489.9	4204.4	15APR98	~~7124.0~~	4838.5	Convenience
URBINE	23033195	CAT90374	7-10-94	6489.9	0.0	15APR98	7124.0	634.1	Convenience
UEL PUMP	6896810	0286	11.9.95	7034.7	2605.9	15APR98	7124.0	2695.2	Convenience
UEL NOZZLE	6899001	AG-51884	23.10.95	7108.9	0.0	15APR98	7124.0	15.1	Convenience
OMPRESOR	23051643	CAC-90076	21APR98	7124.0	4838.5	22APR98	7124.0	4838.5	with eng
EARBOX	23035179	CAG90243	21APR98	7124.0	4677.3	22APR98	7124.0	4677.3	with eng
URBINE	23033195	CAT90374	21APR98	7124.0	634.1	22APR98	7124.0	634.1	with eng

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ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V
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Engine Serial Number CAE 890210 S Engine Model C30S

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
Fuel Control	2303895G	334090	21APR98	7124.0	1324.1	22APR98	7124.0	1334.1	with eng
Fuel Nozzle	6899001	AG51884	21APR98	7124.0	15.1	22APR98	7124.0	15.1	with eng
Fuel Pump	6896810	T-0123	21APR98	7124.0	2101.6	22APR98	7124.0	2101.6	with eng
Governor	23007874	29579	21APR98	7124.0	1081.4	22APR98	7124.0	1081.4	with eng
Bleed Valve	23005366	FF30310	21APR98	7124.0	155.9	22APR98	7124.0	155.9	With eng.
Compressor	23051643	CAC-90076	@335.1 AIF 26NOV99	7124.0	4838.5	AIF 9783.6 15NOV00	7972.5	5687.0	WITH ENG
Gearbox	23035179	CAG-90243		7124.0	4677.3	June 99	7124.0	4677.3	
TURBINE	23033195	CAT-90374	@335.1 AIF 26NOV99	7124.0	634.1	AIF 9783.6 15NOV00	7972.5	1482.6	CYCLES OU
Fuel Control	23034700	336843		7124.0	1027.5	June 99	7124.0	1027.5	
Governor	23007874	24709	@335.1 AIF 26NOV99	7124.0	1794.6	17Feb2000	7311.6	1982.2	Due for O/H
Fuel Nozzle	6899001	AG 51884	@335.1 AIF 26NOV99	7124.0	15.1	AIF 9783.6 15NOV00	7972.5	863.6	WITH ENG
Fuel Pump	6896810	0286	@335.1 AIF 26NOV99	7124.0	2695.2	@717.3 AIF 16MAY00	7506.2	3077.4	DUE FOR O/
Bleed Valve	23005366	FF30457		7124.0	892.2	June 99	7124.0	0.0	

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CYBER SYSTEM Company

ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V
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ngine Serial Number CAE-890210S Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
EARBOX	23035179	CAG-90140	26Nov99 Oct.99	8335.1 NIF 7124.0	6717.7	NIF 9183.6 15NOV00	7972.5	7566.2	WITH ENG.
UEL CONTROL	23065115	336843	26Nov99 Oct.99	8335.1 NIF 7124.0	1027.5	NIF 9183.6 15NOV00	7972.5	1876.0	WITH ENG.
LEED VALVE	23005366	FF30457	26Nov99 Oct.99	8335.1 NIF 7124.0	0.0	28Nov99	8335.6	0.5	Troubleshooting
BLEED Valve	23005366	FF43733	28Nov99	NIF 8335.6	0.3	08Dec99	8357.7	22.4	Conversion
LEED Valve	23005366	FF43799	08Dec99	8357.7	388.5	15NOV00	9183.6	1214.4	WITH ENG
OVERNOR	23070101	29579	17Feb2000	8522.7	0.0	15NOV00	9183.6	660.9	WITH ENG.
UEL PUMP	6896810	T0176	16MAY00	8717.3	0.0	15NOV00	9183.6	466.3	WITH ENG.
JEL CONTROL	23065115	336843	Apr.01	NIF 13336.6 7972.5	1876.0	26MAR02	13954.3	2493.7	DUE FOR O/H
JEL NOZZLE	6899001	AG51884	Apr.01	NIF 13336.6 7972.5	863.6	06DEC02	14376.5	1903.5	CRACKED SHROUD
JEL PUMP	6896810	T0176	Apr.01	NIF 13336.6 7972.5	466.3	ENG 9114.5 24JAN03	14478.6	1608.3	w/ENGINE
OVERNOR	23070101	29579	Apr.01	NIF 13336.6 7972.5	660.9	ENG 9114.5 24JAN03	14478.6	1802.9	w/ENGINE
LEED VALVE	23005366	FF43799	Apr.01	NIF 13336.6 7972.5	0.0	ENG 9114.5 24JAN03	14478.6	1142.0	w/ENGINE
EARBOX	23035179	CAG-90140	Apr.01	NIF 13336.6 TSN 7972.5	7566.2	ENG 9114.5 24JAN03	14478.6	TSN 8708.2	w/ENGINE
OMPRESSOR	23051643	CAC-90076	Apr.01	NIF 13336.6 7972.5	5687.0	09AUG02	14124.4	6474.8	LOW POWER

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ASSEMBLY RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE-890210S Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total A/F Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total A/F Time	REMOVED TSO This Item	Reason
TURBINE	23033195	CAT-90374	10 Apr.01	13336.6 ~~7972.5~~	0.0	16MAY02	14046.7	710.1	FIRST STAGE NOZZLE REPA
FUEL CONTROL	2549099-6	324265	26MAR02	13954.3	0.0	ENG 9114.5 24JUN03	14478.6	524.3	W/ENGINE
TURBINE	23031925	CAT-95157	31MAY02	14046.7	938.3	ENG 9114.5 24JUN03	14478.6	1370.2	W/ENGINE
COMPRESSOR	23052270	CAC-90061	09AUG02	14124.4	6345.7	ENG 9114.5 24JUN03	14478.6	6699.9	CASE TAKEN W/ENGINE
FUEL NOZZLE	6899001	0680	06DEC02	14376.5	0.0	ENG 9114.5 24JUN03	14478.6	102.1	W/ENGINE
Compressor	23051643	CAC 90340	07JUN03	A/F 16860.4 ENG. 9114.5	5615.9	~~A/F 16967.1~~ * 22JUL03	16967.1	5722.6	W/ENGINE
Gearbox	23035179	CAG 90453	07JUN03	A/F 16860.4 ENG. 9114.5	TSN 6709.2	~~A/F 16967.1~~ * 22JUL03	16967.1	TSN 6815.9	W/ENGINE
Turbine	23033195	CAT 90340	07JUN03	A/F 16860.4 ENG. 9114.5	0.0	~~A/F 16967.1~~ * 22JUL03	16967.1	106.7	W/ENGINE
P.T. Governor	23070101	24687	07JUN03	A/F 16860.4 ENG. 9114.5	1113.7	~~A/F 16967.1~~ * 22JUL03	16967.1	1220.4	W/ENGINE
Fuel Control	23065147	BR 51782	07JUN03	A/F 16860.4 ENG. 9114.5	1335.9	07JUL03	A/F 16933.1	1398.6	STARTING PROBL
Fuel Pump	6896810	TO283	07JUN03	A/F 16860.4 ENG. 9114.5	2384.8	10JUL03	A/F 16931.6	2456.0	CONVERSION
Fuel Nozzle	6899001	AG54043	07JUN03	A/F 16860.4 ENG. 9114.5	622.3	~~A/F 16967.1~~ * 22JUL03	16967.1	729.0	W/ENGINE
						* ENG. TIME WAS		9221.2	

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ASSEMBLY RECORD
ENGINE ASSEMBLY

Part V
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ngine Serial Number CAE-890210$ Engine Model 250C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Engine Total Time	INSTALLED TSO This Item	REMOVED Date	REMOVED Engine Total Time	REMOVED TSO This Item	Reason
BLEED VALVE	23073353	FF30493	07JUN03	MF16860-4 ENG 9114.5	0.0	~~MF16967-1~~ 22JUL03	16967.1	106.7	W/ENGINE
UEL CONTROL	2549092	324265	07JUL03	MF16923.1 ENG 9177.3	525.8	~~MF16967-1~~ 22JUL03	16967.1	569.2	W/ENGINE
UEL PUMP	6896810	T0373	10JUL03	MF16931.6 ENG 9185.7	0.0	~~MF16967-1~~ 22JUL03	16967.1	35.5	W/ENGINE
mpressor	23051643	CAC 90104$	03SEP03 Aug 22/03	MF 6360.8 ENG 9221.2	1491S.8	25JAN04	MF 16606.0	15161.0 TSN 9946.2	W/ENGINE
earbox	2303 5179	CAG 90453	03SEP03 Aug 22/03	MF 6360.8 ENG 9221.2	TSN 6915.9	25JAN04	MF 16606.0	TSN 7061.1	W/ENGINE
urbine	23033195	CAT 90340	03SEP03 Aug 22/03	MF 6360.8 ENG 9221.2	106.7	25JAN04	MF 16606.0	351.9	W/ENGINE
overcor	23070101	24687	03SEP03 Aug 22/03	MF 6360.8 ENG 9221.2	1220.4	25JAN04	MF 16606.0	1465.6	W/ ENGINE
uel Pump	6896810	T0323	03SEP03 Aug 22/03	MF 6360.8 ENG 9221.2	35.5	25JAN04	MF 16606.0	280.7	W/ENGINE
uel Nozzle	6899001	AG50493	03SEP03 Aug 22/03	MF 6360.8 ENG 9221.2	729.0	11DEC03	MF 6550.0	918.2	REM'D AS PER CCB-A-73-311 8
leed Valve	23073253	FF30493	03SEP03 Aug 22/03	MF 6360.8 ENG 9221.2	106.7	25JAN04	MF 16606.0	351.9	W/ENGINE
UEL CONTROL	2549092-C 23070613	326261	03SEP03 03SEP03	MF 636018 ENG 9221.2	0.0	25JAN04	MF 16606.0	245.2	W/ENGINE
FUEL NOZZLE	23077067	AG50258	11DEC03	MF 6550.0	1064.3	25JAN04	MF 16606.0	1120.3 ~~1309.5~~	W/ENGINE

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Engine Assembly

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Engine Serial Number CAE- 890210-5 Engine Model 250- C30S

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason
			Date	ENG TT / ITEM TSO	Date	ENG TT / ITEM TSO	
COMPRESSOR	23051643	CAC-90104	01 MAY 04 FEB 20 2004 A/F 17547.3	9466.4 13161.0	A/F 18303.1 09MAY05	10222.2 15916.8	W/ENG.
GEARBOX	23035179	CAB-90453	01 MAY 04 FEB 20 2004 A/F 17547.3	9466.4 NEW	A/F 18303.1 09MAY05	10222.2 NEW	W/ENG.
TURBINE	23033195	CAT-90340	01 MAY 04 FEB 20 2004 A/F 17547.3	9466.4 351.9	A/F 18303.1 09MAY05	10222.2 1107.7	W/ENG
GOVERNOR	23070101	24687	01 MAY 04 FEB 20 2004 A/F 17547.3	9466.4 1465.6	A/F 18078.9 06JAN05	9992.0 1991.2	DUE FOR O/H
FUEL PUMP	6896810	T0373	01 MAY 04 FEB 20 2004 A/F 17547.3	9466.4 280.7	A/F 18303.1 09MAY05	10222.2 1036.5	W/ENG
FUEL NOZZLE	23077067	AG50253	01 MAY 04 FEB 20 2004 A/F 17547.3	9466.4 1120.3	A/F 18303.1 09MAY05	10222.2 1876.1	W/ENG
BLEED VALVE	23073353	FF30493	01 MAY 04 FEB 20 2004 A/F 17547.3	9466.4 351.9	A/F 18303.1 09MAY05	10222.2 1107.7	W/ENG
FUEL CONTROL	2549092-6 23070618	3262611	01 MAY 04 FEB 20 2004 A/F 17547.3	9466.4 245.2	A/F 17597.3 14JUN04	9516.4 295.2	TOO HOT STARTING
FUEL CONTROL	23065147	BR51782	A/F 17597.3 14JUN04	9516.4 1398.6	A/F 18303.1 09MAY05	10222.2 2104.4	W/ENG
GOVERNOR	2524692-11	25496	A/F 18078.9 06JAN05	9992.0 0.0	A/F 18303.1 09MAY05	10222.2 230.2	W/ENG

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Assembly Record
Engine Assembly

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Part V
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Engine Serial Number CAE- 8902105 Engine Model 250- C30S

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason
			Date	ENG TT / ITEM TSO	Date	ENG TT / ITEM TSO	
COMPRESSOR	23051643	CAC-90104	A/F 15623.7 12MAY05	10222.2 / 15916.8	A/F 15727.7 29JUN05	10326.2 / 16020.8	W/ ENGINE
GEARBOX	23035179	CAG-90453	A/F 15623.7 12MAY05	10222.2 / NEW	A/F 15727.7 29JUN05	10326.2 / SP 17482.8	W/ ENGINE
TURBINE	23033195	CAT-90340	A/F 15623.7 12MAY05	10222.2 / 1107.7	A/F 15727.7 29JUN05	10326.2 / 1211.7	W/ ENGINE + TIMER
FUEL PUMP	6896810	T0373	A/F 15623.7 12MAY05	10222.2 / 1036.5	A/F 15727.7 29JUN05	10326.2 / 1140.5	W/ ENGINE
FUEL NOZZLE	23077067	AG50258	A/F 15623.7 12MAY05	10222.2 / 1876.1	A/F 15727.7 29JUN05	10326.2 / 1980.1	W/ ENGINE
BLEED VALVE	23073353	FF30493	A/F 15623.7 12MAY05	10222.2 / 1107.7	A/F 15727.7 29JUN05	10326.2 / 1211.7	W/ ENGINE
FUEL CONTROL	23065147	BR51782	A/F 15623.7 12MAY05	10222.2 / 2104.4	A/F 15727.7 29JUN05	10326.2 / 2208.4	W/ ENGINE
GOVERNOR	2524692-11	25496	A/F 15623.7 12MAY05	10222.2 / 230.2	A/F 15727.7 29JUN05	10326.2 / 334.2	W/ ENGINE

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Engine Assembly

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Part V
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Engine Serial Number CAE-830210 5 Engine Model 250- C30S

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason
			Date	Eng TT / Item TSO	Date	Eng TT / Item TSO	
Compressor	23051643	CAE-901046	A/F 13988.0 27SEP 05 / Sept 14/05	10326.2 / 16020.8	30 MAR.07	11120.5 / 16815.1	LOW POWER
Gearbox	23035179	CAE-904200	A/F 13988.0 27SEP 05 Sept 14/05	10326.2 / 3297.6	30 MAR.07	11120.5 / 3091.9	INSPECT
Turbine	23035128	CAT-90340	A/F 13988.0 27SEP 05 Sept 14/05	10326.2 / 1211.7	30 MAR.07	11120.5 / 2006.0	O/H
Fuel Pump	6896810	T0373	A/F 13988.0 27SEP05 Sept 14/05	10326.2 / 1140.5	30 MAR.07	11120.5 / 1934.8	W/ENG.
Fuel Nozzle	23077067	AE-50258	A/F 13988.0 27SEP05 Sept 14/05	10326.2 / 0.0	A/F 14534.2 20JUL06	10872.4 / 546.2	CONVENIENCE
Bleed Valve	23073353	FF26600	A/F 13988.0 27SEP 05 Sept 14/05	10326.2 / 445.2	24 MAR 06	1118.2 / 792.0	Transfer
Fuel Control	2549092-6 23070613	BR51782	A/F 13988.0 27SEP 05 Sept 14/05	10326.2 / 2208.4	A/F 14242.3 24 MAR 06	10580.5 / 2462.7	DUE for O/H
Governor	2524692-11 23070101	25496	A/F 13988.0 27SEP 05 Sept 14/05	10326.2 / 334.2	30 MAR.07	11120.5 / 1128.5	W/ENG.
FUEL CONTROL	3549092-7	BR54131	A/F 14242.3 30MAR06	10580.5 /	30 MAR.07	11120.5 / 540.0	W/ENG.
FUEL NOZZLE	23077067	1ZJ03250	A/F 14534.2 20JUL06	10872.4 / 0.0	30 MAR.07	11120.5 / 248.1	REPAIR

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Engine Serial Number CAE- 890210$ Engine Model 250-

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason
			Date	ENG TT / ITEM TSO	Date	ENG TT / ITEM TSO	
Bleed Valve	23073353	FF43555	24 MAR 07	11118.2 / 0.0	30 MAR 07	11120.5 / 2.1	W/ENG.
COMPRESSOR	23051643	CAC90104S	5 JUL 07 / 23 MAY 07	11120.5 / 16815.1	17 APR. 09	12226.7 / 17921.3	W/ENG.
GEARBOX	23035179	CAG90420	5 JUL 07 / 23 MAY 07	11120.5 / 3091.9	17 APR. 09	12226.7 / 4198.1	W/ENG
TURBINE	23035128	CAT90340	5 JUL 07 / 23 MAY 07	11120.5 / 0.0	17 APR. 09	12226.7 / 1106.2	W/ENG.
FUEL NOZZLE	23077067	12503850	5 JUL 07 / 23 MAY 07	11120.5 / 248.1	17 APR. 09	12226.7 / 1354.3	W/ENG
FUEL CONTROL	23070613	BR54131	5 JUL 07 / 23 MAY 07	11120.5 / 540.0	30 JUNE 2010	13023.3 / 2442.8	Timex
BLEED VALVE	23073353	FF43555	5 JUL 07 / 23 MAY 07	11120.5 / 2.1	13 NOV 2009	12593.2 / 1474.8	Timex
GOVERNOR	23070101	25496	5 JUL 07 / 23 MAY 07	11120.5 / 1128.5	15 oct 08	11953.8 / 1961.8	Timex
FUEL PUMP	6896810	T0373	5 JUL 07 / 23 MAY 07	11120.5 / 1934.8	(TBO EXTENSION APPLIED) 18 JAN 2010	12661.0 / 3475.3	Timex
COMBUSTION LINER	23066675	24522	5 JUL 07 / 23 MAY 07	11120.5 / TSO: 0.0	21 JAN 08	11714.6 / 594.1	Worn

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Engine Assembly

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Part V
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Engine Serial Number CAE- 8902105 Engine Model 250- C30S

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason
			Date	ENG TT / ITEM TSO	Date	ENG TT / ITEM TSO	
Combustion Liner	23044675	SL13432A	21 JUN 08	11714.6 / 0.0	17 APR. 09	12226.7 / 512.1	W/ENG.
PT GOVERNOR	23070101	21030	15 oct 08	11953.8 / 0.0	20 July 2009	12269.7 / 315.9	LEAKING BLUE GREASE
COMPRESSOR	23051643	CAC-90104S	10 JUN 09	12226.7 / 17921.3	to JULY 13	13480.2 / 19174.8	W/ENG.
GEARBOX	23035179	CAG-90615	10 JUN 09	12226.7 / 10445.7	10 JULY 13	13480.2 / 11699.2	W/ENG.
TURBINE	23035128	CAT-90340	10 JUN 09	12226.7 / 1106.2	10 JULY 13	13480.2 / 2359.7	W/ENG
FUEL NOZZLE	23077067	123038850	10 JUN 09	12226.7 / 0.0	10 JULY 13	13480.2 / 1253.5	W/ENG
COMBUSTION LINER	23066675	SL13432A	10 JUN 09	12226.7 / 0.0	10 JULY 13	13480.2 / 1253.5	BER
PT Governor	23086751	BR45532	20 July 2009	12269.7 / 0.0			
Fuel Control Unit	23070613	33271	30 June 2010	13023.3 / 0.0	3 MAR 15	13541.1 / 518.3	NOT RECEIVED
BLEED VALVE	23073353	FF30423	13 NOV. 09	12593.2 / 0.0	10 JULY 13	13480.2 / 886.4	W/ENG.

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Engine Assembly

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Engine Serial Number CAE-890210[5] Engine Model 250-C30[5]

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason
			Date	ENG TT / ITEM TSO	Date	ENG TT / ITEM TSO	
FUEL PUMP	6896810	T0350	18 JAN. 10	12661.0 / 0.0	13 APR 2016	13553.41 / 892.41	TROUBLESHOOTING
COMPRESSOR	23051643	CAC90104	22 OCT. 13	13480.2 / 19174.8	3 MAR 15	13541.6 / 19236.2	FOD
GEARBOX	23035179	CAG90615	22 OCT. 13	13480.2 / 11699.2	3 MAR 15	13541.6 / 11760.6	INSPECT
TURBINE	23035128	CAT90340	22 OCT. 13	13480.2 / 0.0	3 MAR 15	13541.6 / 61.4	INSPECT
FUEL NOZZLE	23077067	1ZJ03850 ✓	22 OCT. 13	13480.2 / 0.0			
BLEED VALVE	23073353	FF30423 ✓	22 OCT. 13	13480.2 / 886.4			
COMBUSTION LINER	M250-10150	N/A	24 OCT 13	13480.2 / 0.0 ~~886.4~~	3 MAR 15	13541.6 / 61.4	NOT RELEASED
COMPRESSOR	23051643	CAC90641 ✓	10 APR 15	13541.6 / 13906.0			
GEARBOX	23035179	CAG90615 ✓	10 APR 15	13541.6 / 11760.6			
TURBINE	23035128	CAT90340 ✓	10 APR 15	13641.6 / 61.4			

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Engine Assembly

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Part V
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Engine Serial Number CAE-890210 Engine Model 250- C30S

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason
			Date	ENG TT / ITEM TSO	Date	ENG TT / ITEM TSO	
FUEL CONTROL	23070613	325968	10 APR 15	13541.6 / 976.9	13 APR 2016	13553.47 / 988.77	TROUBLESHOOT
COMBUSTION LINER	23066675	SL13497A	10 APR 15	13541.6 / NEW			
FUEL PUMP	6896810	T0018	09 APR 2016	13553.47 / 5861.47			
FUEL CONTROL UNIT	23070613	325447	13 APR 2016	13553.47 / 569.0			

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Engine Assembly

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Engine Serial Number CAE- 890210$ Engine Model 250- C30$

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason
			Date	ENG TT / ITEM TSO	Date	ENG TT / ITEM TSO	

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 WO: LW26176

SCHEDULED INSPECTIONS IAW 14W2 ED:6 REV: 21 DATED: NOV 15, 2014

Owner:	Ornge Air	Date: 7 April 2015	
Model:	C30S		
Compressor s/n CAC-90641		TSN: 14738.5	TSO: 13506.6

CAUTION: BEFORE UNDERTAKING ANY INSPECTION OR MAINTENANCE ACTION CONSULT THE REFERENCED PARAGRAPHS OF THE OPERATION AND MAINTENANCE MANUAL. FAILURE TO FOLLOW THE RECOMMENDED INSTRUCTIONS IN THE MANUAL COULD RESULT IN EQUIPMENT DAMAGE OR DESTRUCTION, POSSIBLY RESULTING IN PERSONNEL DEATH OR INJURY.

Item	Inspection/Maintenance Action	REF PARA	Initial
	150 Hour Inspection		
1	Inspect the compressor impeller leading edges for damage.	72--30--00, para 4.B.	S.A.L. 504 DI
2	Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.	72--30--00, para 5.B.	S.A.L. 504 DI
3	Inspect compressor scroll for cracks. Pay particular attention to welded areas.	N/A	S.A.L. 504 DI
	300 HOUR INSPECTION		
4	Inspect compressor mount for cracks.	72-00-00, PARA 1.A. (3)	S.A.L. 504 DI
5	Clean No. 1 bearing oil pressure reducer.	72--30--00, PARA 2.A. (1)	S.A.L. 504 DI
6	Inspect compressor scroll for cracks. Pay particular attention to welded areas.		S.A.L. 504 DI
	2000 HOUR INSPECTION		
7	Inspect the spur adapter gearshaft, compressor rotor splined adapter and associated impeller bore.	72--30--00, PARA 4.B.(2), 4.C. and 4.E.	S.A.L. 504 DI

NOTES: The following inspections are recommended whenever the turbine or compressor is removed in--between the required 2000 hour inspection.
Anytime the compressor is removed from the engine, visually inspect the aft end of the spur adapter gearshaft for worn or damaged spines.
If spline wear or damage is observed the appropriate maintenance action is required.
Inspection intervals must not exceed 2000 hours.

WO:

FORM 2782 B

SERVICE RECORD
COMPRESSOR ASSEMBLY

Part I
Page No. 2

Compressor Serial Number CAC-90641 Engine Model 250-C30S

P/N 23051643

INSTALLED					REMOVED			
Date	Owner	ENG S/N ~~A/C or Eng. S/N~~	Compressor Time Since OH	Compressor Time Total	Date	Compressor Time Since OH	Compressor Time Total	Reason
22 JUL 98	A/F 7172.2 CAE CGIMN	[illegible]	5556.3	6788.5	A/F 10377.4 17 MAR 02	8701.5	9933.7	CANCELLED [illegible]
WB 23 AUG 02 #2	A/F 9374.5 CHL CGIMA	8902385	8701.5	9933.7	A/F 9611.1 15 FEB 03	8998.1	10230.3	W/ENG CAE 8902385
16 FEB 03 #2	A/F 11981.0 #2 CHL CGIMY	8902385	8998.1	10230.3	A/F 12471.3 05 AUG 04	9988.4	11220.6	W/ENG CHL 8902385
30 JAN 05 JAN 27/05	A/F 21808.2 #1 CHL CFABI?	CAE 8902385	9988.4	11220.6	A/F 21917.3 29 MAR 05	10092.3	11324.5	W/ENGINE
16 APR 05	A/F 20263 #1 CHL CGIMZ	CAE 8902385	10092.3	11324.5	A/F 8714.0 31 AUG 05	10517.0	11749.2	W/ENGINE
15 NOV 05 4 NOV 05	A/F 7908.9 #1 CHL CGIMW	CAE 8902385	10512.0	11749.2	A/F [illegible] 24 JAN 07	11181.1	12413.3	WITH ENG.
05 JUN 07 19 FEB 07	#2 CHL CGIMM	CAE 8902385	11181.1	12413.3	18 July 08	11719.3	12951.5	Low Power
26 SEPT 08	CAE 890793 GIMB		11719.3	12951.5	17 JUL 09	11943.3	13175.5	W/ENGINE
8 JUL 09	CAE 890793		11943.3	13175.5	9 Nov [illegible]	13506.0	14738.2	Rep.
10 APR 15	TAB 890 [illegible]		13506.0	14738.2				
* INCORRECT A/F GIVEN BY [illegible] AT REMOVAL [illegible]								

M 2782 8 (BACK)

TRANSFER RECORD

Part II
Page No. 2

SHIPPED					RECEIVED	
			Compressor Time			
Date	From	To	Since OH	Total	Date	By

SERVICE RECORD
COMPRESSOR ASSEMBLY

Part
Page No. 1

FORM 2782B-1 (F) (4-79)

Compressor Serial Number CAC - 90641   Engine Model 250-C30S

INSTALLED					REMOVED			
			Compressor Time			Compressor Time		
Date	Owner	A/C or Eng. S/N	Since OH	Total	Date	Since OH	Total	Reason
11-11-81	Okanagan	890635	NEW	0.0	21/07/82	NP	288.9	
2 Dec 82	OKANAGAN	890635	No Prev	288.9	12/05/83	NP	899.3	
SEP 20 1983	Okanagan GIMT	890635	N.P.	899.3	APR 17 1984	NP	1232.2	
JUN 14 1984	OKANAGAN GIMT	890635S	0.0	1232.2	[illegible] APR 85	624.8	1857.0	Mod
19 OCT 85	OKAN GIMK	8905625	624.8	1857.0	06.02.89	1937.9	3170.1	
31 JAN 89	OKAN GIMQ	890562S	1937.9	3170.1	07.08.89	2171.0	3403.2	
18.09.89	OKAN GIMQ	890562S	2171.0	3403.2	26.09.89	2205.1	3437.3	
20.11.89	CHL GIMQ A/F 1500.5	890562S	2205.1	3437.3	[illegible] 90	2610.8	3843.0	
[illegible] 90	CHL - GIMV	890238S	2610.8	3843.0	26.11.93	4189.6	5421.8	WITH ENGINE
31.3.94	CHL - GIMJ	890238S	4189.6	5421.8	25MAR97	5208.6	6440.8	WITH ENGINE
25MAR97	CHL CGIMR	890238S	5208.6	6440.8	04JUN97	5317.7	6549.9	with engine
17JUN97	CHL GIMB 6703.6	890238S	5317.7	6549.9	09APR98	5443.6	6705.8	with engine
24APR98	CHL GIMB 6861.1	890238S	5443.6	6705.8	16JUN99	5552.3	6788.5	with engine

TRANSFER RECORD

Part II
Page No. 1

FORM 2782B-1 (D)(4-79)

Compressor Serial Number CAC - 90641 Engine Model 250-C30 S

SHIPPED					RECEIVED	
			Compressor Time			
Date	From	To	Since OH	Total	Date	By
11-81	DDA-GMC	STANDARD AERO	NEW	0.0		
	SAL		NEW	00.0		
AUG-82	OKANAGAN HELI	SAL	NO PREV	2889	30 AUG 82	SAL
DEC 82	SAC	OKANAGAN	NO PREV	2889		

See page 2

Inspection - Maintenance - Overhaul Record
Engine Assembly

Rolls-Royce

Part IV
Page No. 18

Engine Serial Number CAE-890210 Engine Model 250-C30S

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
APR 10 2015	11921.1	13541.6			
	CSO UNK	CSN 24717			

StandardAero
www.standardaero.com

33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-318-7588

Engine Assembly p/n 23005290 s/n CAE890210 complete with (2) vibration brackets (less N2 Overspeed Control, Fuel Hose, Start Counter, & FCU to Fireshield Tube) has been repaired to correct Compressor FOD (Compressor Assy replaced and s/n CAC90641 installed) (Gearbox Assy & Turbine Assy has had an external visual serviceability inspection in accordance with Operations & Maintenance Manual 14W2 6th Ed. 21st Ed. 15/NOV/14) and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 20th Rev. Dated 01/APR/14. The following major parts were replaced: Comperssor Assy, Burner Drain Valve and (2) Tube Assy. The product is released serviceable for return to service. All pertinent details of the work performed are on file at this organization under Work Order LW261749.

SAL 1175 QI
SAL-AMO #22-5
ROGER CERVANTES

GT-2784A (7/03)

FORM 2783 A (BACK)

MODIFICATION RECORD
ENGINE ASSEMBLY

Part III
Page No. 6

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
28 AUG 1987	CEB75-3015	COMP. BLEED GASKET - RPLC WITH LARGER		OKH 102 E.S. OHL
		HOLE GASKET		"
28 AUG 1987	CSL 3042	MAINT. PROC. SPUR ADAPT, GEARSHAFT,		"
		O-RING & TURB MAINT		"
28 AUG 1987	CSL A-3062	INSP COMP. ROTOR & SPLINED ADAPTER		"
28 AUG 1987	CSL A-3066	N1 SHAFTING INSP		"
28 AUG 1987	CSL 3068	ALLISON ASSURED ENG		"
28 AUG 1987	CSL 3073	TURB. ROTOR SPLINED LOCKNUT TORQUE		"
		REQUIREMENTS		"
28 AUG 1987	CSL A-3087	INSP TURB. SPLINED ADAPTER LOCKNUT		"
		TOLQUE.		102 E.S. 9.58 14 491 "
12 FEB. 91	AD 79-16-06 (39-3650); 81-13-12R1 (39-4701); 82-24-05R3 (39-4998)			CHL
	AD 84-24-51R2 (39-5192); 85-25-07R1 (39-5368); 85-25-08 (39-5189)			"
	AD 86-19-12 (39-5373); 86-20-13; 88-07-06 F/E			"
12 FEB. 91	AD 83-22-05 (39-4755). INSPECT TURB. SHAFTING,			"
	REPLACE S.A.G. O-RING			9.58 14 491 CHL

FORM 2785 A

MODIFICATION RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE-890210 $ Engine Model 250-C30 $

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
22 FEB. 91	CEB 72-3010 R4;	72-3014 R1; 72-3018 R1; 72-3027 R1; 72-3066 R2;		CHL
	CEB 72-3067 R2; A	72-3115 R2; 72-3160; 73-3001 R1; 73-3002 R1;		"
	CEB 73-3004 R5; 73-	3007 R1; 73-3008 R2; 73-3009 R2; 73-3011 R1;		"
	CEB 73-3012 R4; 73-	3013 R1; A-73-3015 R2; 73-3022 R2; 75-3003 R1;		"
	CEB 75-3011 R1; 75-3	012 R1; 75-3013 R1; 75-3014 F/E CHL EV 26335.		"
22 FEB. 91	CEB 73-3024 R2	GOVERNOR - MODIFY EMB.		"
22 FEB. 91	CEB A-73-3032 R2	SCROLL TO PC FILTER TUBE - INSPECT EMB		"
22 FEB. 91	CEB 73-3034	N2 OVERSPEED CONTROL IMPROVED EMB		"
22 FEB. 91	CSL A-3062	INSP. COMP. ROTOR AND SPLINED ADAPTER EMB.		"
22 FEB. 91	CSL A-3066	N1 - SHAFTING INSP. EMB.		"
22 FEB. 91	CSL A-3087	INSP. TURB. SPLINED ADAPTER LOCKNUT TORQUE EMB.		CHL
7 Oct. 1994	CSL A-3066 R2	N1 shafting inspection.		
7 Oct. 1994	CEB A73-3065	Fuel control, inspection by-pass cover		
	PT. 1	screws, & replace all relief valves. Pt. 1		

MODIFICATION RECORD
ENGINE ASSEMBLY

Part III
Page No. 8

FORM 2783 A (BACK)

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
7 Oct. 1994	CEB 75-3020	Venting of bleed valve discharge air.		
7 Oct. 1994	CEB 73-3027 R1, A73-3058 R2, 75-3010 R1, A75-3017R2			
	F/E on CGT W/O 94-10574.			
2 Oct. 1999	CEB 72-3202	Inspect for proper clamping.		
2 Oct. 1999	CEB A-73-3032 R3	Scroll to Pc filter tube-inspect.		
2 Oct. 1999	CEB 73-3039	Increaselow maximum flow setting.		
2 Oct. 1999	CEB 73-3060	Install new throttle positioning spring.		
2 Oct. 1999	CEB 73-3061 R1	Release of new FCU with stronger bypass valve		
		cover retaining screws-modify.		
2 Oct. 1999	CEB A-73-3065	Fuel control, inspection bypass cover screws		
		and relief valve.		
2 Oct. 1999	CEB A-73-3068 R2	Replace fuel control bellows.		
2 Oct. 1999	CEB A-73-3075 R1	Fuel control bypass cover screw inspection.		
2 Oct. 1999	CEB 73-3076 R2	Electrical system, install new clamping.		
2 Oct. 1999	CEB 73-3083 R2	Fuel control Po prime dampening orifice-removal		

ACRO AEROSPACE INC.
251-97 SCA T-16

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251-97 SCA T-16

AVIALL

A-3A042-4 R2-82

MODIFICATION RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE-890210S Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
12 Oct. 1999	CEB 73-3086 R1	Fuel control stop nut-rework.		
12 Oct. 1999	CEB 73-3089	Fuel control cut-off valve-rework.		
12 Oct. 1999	CEB 74-3001 R1	Start counter assembly-removal/installation.		
12 Oct. 1999	AD 98-24-28	Replace fuel control bellows.		
12 Oct. 1999	CSL 3055	Compressor bleed valve attachment bolt.		
12 Oct. 1999	CSL 3167	Release of new gearbox vent tube.		
12 Oct. 1999	CEB 72-3158 R3	Found previously complied with.		
6 April 2001	CEB 72-3245	Release of new engine rear mount assembly.	ACRO AEROSPACE INC.	
6 April 2001	CEB A-73-3032 R3	Pc scroll to Pc filter tube assy-inspection.		
6 April 2001	CEB A-73-3075 R1	Fuel control bypass cover screw inspection.		
6 April 2001	CSL A-3066 R5	N1 shafting inspection.		
6 April 2001	CSL 3068	Allison assured engine.		

AVIALL

A-3A042-4 R2-82

MODIFICATION RECORD
ENGINE ASSEMBLY

Engine Serial Number CAE-890210 Engine Model C30S1

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
May 23, 2003	CEB 72-3202	Inspect for Proper Clamping	S.A.L. 501 Q.I.	SAL-AMO-22-58
May 23, 2003	CEB 72-3250R1	Increased Thickness Compressor		
May 23, 2003	~~CEB NO~~	Scroll	S.A.L. 501 Q.I.	SAL-AMO-22-58
ay 23, 2003	CEB-A-73-3032 R3	Scroll To Pc. Filter Tube Inspect	S.A.L. 501 Q.I.	SAL-AMO-22-58
May 23, 2003	CEL-A-3066 R5	Ni Shafting Inspection	S.A.L. 501 Q.I.	SAL-AMO-22-58
May 23, 2003	CSL-A-3062 R6	Inspect Compressor Rotor Splined Adapter	S.A.L. 501 Q.I.	SAL-AMO-22-58
ug 23, 2003	CEB-A-73-3075R1	Fuel Control By-Ass Cover Screen Inspection	S.A.L. 501 Q.I.	SAL-AMO-22-58
ug 23, 2003	CEB-A-73-3032R3	Scroll To Pc. Filter Tube Inspect	S.A.L. 501 Q.I.	SAL-AMO-22-58
Feb 25/04	THE FOLLOWING CEB'S WERE FOUND EMBODIED: CEB 72-3228R1, 72-3245R1, CEB-A-72-3217R4, A-73-3118 & A-75-3021. ENGINE, FUEL AND CONTROL, FUEL CONTROL BY-PASS COVER SCREEN INSPECTION.			
	CEB -A-72-3075R1		S.A.L. 303 QI	SAL-AMO-22-58
	AD 85-23-08	Comp Mount Replace		

AD Note Compliance and CEB Modification Record
Engine Assembly

Rolls-Royce

Part III
Page No. 11

Engine Serial Number CAE-890210 S Engine Model 250- C30 S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp. @ Hrs	Signature and Certificate Number
None Applicable	See enclosed list	0.0	Incorporated at Manufacturer	X		N/A / N/A	Rolls-Royce
	CSL-A-3062r6	Sept 14/05 / 10326.2	Inspect Comp. Rotor Splined Adapter		X		SAL 303 QI SAL-AMO-22-58
	CSL-A-3066r5	Sept 14/05 / 10326.2	N1 Shafting Inspection		X		SAL 303 QI SAL-AMO-22-58
	CEB 73-3106r1	Sept 14/05 / 10326.2	New Bypass Retention Plate				SAL 303 QI SAL-AMO-22-58
	CEB-A-73-3075-1	Sept 14/05 / 10326.2	Engine, FCU by-Pass Cover Screw Inspection				SAL 303 QI SAL-AMO-22-58
	CEB-A-73-3032r3	Sept 14/05 / 10326.2	Scroll to PC Filter Tube - Inspect				SAL 303 QI SAL-AMO-22-58
	CSL-A-3066R5	30 MAY 07 / 11120.5	N1 SHAFTING INSPECTION		X		SAL 661 QI SAL-AMO-22-58
	CEB A-73-3075R1	30 MAY 07 / 11120.5	FCU BY PASS COVER SCREW INSPECTION		X		SAL 661 QI SAL-AMO-22-58
	CEB A-73-3032R3	30 MAY 07 / 11120.5	SCROLL TO PC FILTER TUBE - INSPECT		X		SAL 661 QI SAL-AMO-22-58

AD Note Compliance
and
CEB Modification Record
Engine Assembly

Rolls-Royce

Part III
Page No. 12

Engine Serial Number CAE- 890 2105 Engine Model 250- C30S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp. @ Hrs	Signature and Certificate Number
	CEB A-75-3017R2	30 MAY 07 / 11120.5	LUBE + AIR SYSTEM IMPROVED PC FILTER HSG.	X			SAL 661 QI SAL-AMO-22-58
	CSL-A-3062R6	11 JUN 09 / 12226.7	INSP. COMP. ROTOR SPLINED ADAPTER		X		SAL 661 QI SAL-AMO-22-58
	CEB-A 73-3075R1	11 JUN 09 / 12226.7	FCU BY PASS COVER SCREW INSPECTION		X		SAL 661 QI SAL-AMO-22-58
	CEB-A 72-3252R6	11 JUN 09 / 12226.7	INSP. 1ST NOZZLE SHIELD (P/N 23073366)	X			SAL 661 QI SAL-AMO-22-58
	CEB-A 73-3032R3	11 JUN 09 / 12226.7	SCROLL TO PC FILTER TUBE - INSPECT		X		SAL 661 QI SAL-AMO-22-58
		11 JUN 09 / 12226.7	**The following were found embodied:** AD 2004-24-09R0, AD 2006-16-04R0, AD 84-24-54R2, AD 85-25-07R1, AD 85-25-08R0, AD 86-20-13R0, CSL 3072R0, CEB 72-3067R2, 72-3138R0, 72-3160R0, 72-3202R0, 72-3227R2, 72-3228R1, 72-3245R1, 72-3250R1, 73-3085R3, 73-3106R1, 73-3111R1, 75-3003R1, 75-3006R5, 75-3013R1, 5-3020R0, A-72-3115R4, A-72-3136R1, A-72-3217R4, A-73-3058R2, A-73-3102R3, A-73-3118R1 & A-75-3017R2.				SAL 661 QI SAL-AMO-22-58

GT-2786DT (5/99)

AD Note Compliance
and
CEB Modification Record
Engine Assembly

Rolls-Royce

Part III
Page No. 13

Engine Serial Number CAE- 890210 Engine Model 250- C30S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp. @ Hrs	Signature and Certificate Number
~~None Applicable~~	~~See enclosed list~~	0.0	Incorporated at Manufacturer	X		N/A N/A	~~Rolls-Royce~~
	CSL-A-3062R6	24 OCT. 13 13480.2	INSP. COMP. ROTOR & SPLINED ADAPTER		X		SAL 661 QI SAL-AMO-22-58
	CEB-A-73-3032R3	24 OCT. 13 13480.2	SCROLL TO PC FILTER TUBE - INSPECT		X		SAL 661 QI SAL-AMO-22-58
	CEB-A-73-3032R3	10 APR 2015 13541.6	SCROLL TO PC. FILTER TUBE - INSPECT		X		SAL 1175 QI SAL-AMO #22-58

GT-2786DT (5/00)

AD Note Compliance
and
CEB Modification Record
Engine Assembly

Rolls-Royce

Part III
Page No. 14

Engine Serial Number CAE- 890210 Engine Model 250- C30S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp. @ Hrs	Signature and Certificate Number

GT-2786DT (5/99)

FORM 2783B-1 (4-79)

MODIFICATION RECORD
COMPRESSOR ASSEMBLY

Compressor Serial Number CAC - 90641 Engine Model 250- C30 F

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
2 DEC 82	CEB72-3042	IMPELLER HOUSE STUB SHAFT REPAIR		SAC
2 DEC 82	CEB72-3046	FIBER RETAINING NUT - REPLACE		SAC
2 DEC 82	CEB72-3057	SHROUD HOUSING EPOXY PAINT		SAC
2 DEC 82	CEB72-3059	2½ BRG CONFIG MODIFY		SAC
2 DEC 82	CEB72-3081	COMP MOUNT - INSPECT FOR CRACKS		SAC
6 SEP 83	CEB72-3093	ALUMINUM GRAPHITE SHROUD		SAC 22-58
JUN 14 1984	CEB72-3085	NEW COMPRESSOR MOUNT		OAL
JUN 14 1984	CEB72-300	ADD SLOTS TO BORE PLUGGING OIL FEED HOLE		OAL
JUN 14 1984	CEB72-3078	REPLACE R SUPPORT & DIFFUSER ASSY INDEXING PIN		OAL
17 JUN 1985	CEB 72-3050, 72-3091	FOUND & MODIFIED ON EVOS 1/3		OAL
17 JUN 1985	CEB-72-3070	COMP ASSY REAR LAB SEAL REPLACE IF SUSPECT SEAL AT NEXT OH		1
17 JUN 1985	CSL A-3066	W/ SHAFTING WASP		9

MODIFICATION RECORD
COMPRESSOR ASSEMBLY

Part III
Page No. 9

FORM 2783B-1 (4-79)

Compressor Serial Number CAC - 90641 Engine Model 250- C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
11 MAY 89	AD84-24-54	ENGINE MODIFICATIONS EMB	[signature] 9-58 14 409	CHL
11 MAY 89	AD86-R-12-6	INSP COMP ROTOR + SPLINED ADAPTER NI SHAFTING INSP EMB		
11 MAY 89	CEB-A-72-3143	INSP TURB SHAFTING & REPLACE S.A.G. O RING EMB		
11 MAY 89	CEB-72-3171	ALTERNATE SHROUD HOUSING COATING EMB		
11 MAY 89	C.S.L.A. 3062	INSP. COMP. ROTOR + SPLINED ADAPTER EMB		
11 MAY 89	C.S.L.A. 3066	NI. SHAFTING INSP. EMB.		
11 MAY 89	AD 85-25-08	F/E		
11 MAY 89	CEB 72-3001, 3004, 3014, 3030, 3052, 3067, 3108, A 72-3134	F/E	[signature] 9-58 14 409	CHL
3 JUL 90	AD 83-22-05	INSP TURB SHAFTING/REPLACE S.A.G. ORING EMB.	[signature] 8	CHL
3 JUL 90	AD 86-19-12	INSP COMP ROTOR + SPL. ADAPT/NI SHFT. INSP. EMB	9	CHL
3 JUL 90	CEB 72-3052	FRONT BRG. HOUSING - REPLACE - EMB.		CHL
11 JUL 90	CEB A-72-3143	INSP TURB SHAFTING/REPLACE SAG. ORING EMB.	[signature]	CHL
11 JUL 90	CEB 72-3168 R1	#5 LAB. SEAL MODIFICATION EMB.	[signature]	CHL

FORM 2783 B

MODIFICATION RECORD
COMPRESSOR ASSEMBLY

Compressor Serial Number CAC 90641 Engine Model 250 C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
3 JUL '90	CEB 72-3176	HOT DAY ENHANCEMENT KIT EMB		CHL
3 JUL '90	CSL A-3062R1	INSP. COMP. ROTOR & SPL. ADAPTER EMB.		CHL
3 JUL '90	CSL A-3066R1	N1 SHAFTING INSPECTION EMB.		CHL
3 JUL '90	CEB 72-3005 R3, 3066R2, CSL 3068 F/E.			CHL
21 March 94	CSL A-3062 R2	Inspection of compressor rotor and splined adapter.		[illegible]
21 March 94	CSL A-3066 R2	N1-shafting inspection.		[illegible]
5 Nov. 1997	CEB 72-3200 R2	Rework compressor front shroud housing-increased inducer bleed slot and new contour.		
5 Nov. 1997	CSL A-3062 R5	Inspect compressor rotor & splined adapter.		
5 Nov. 1997	CSL A-3066 R3	N1-shafting inspection.		
5 Nov. 1997	CSL 3068 R2	Allison assured engine.		
	~~CSL A-3062 R6~~	~~Inspect Compressor Rotor & Splined Adapter~~		

ACRO AEROSPACE

MODIFICATION RECORD

COMPRESSOR ASSEMBLY

FORM 2793 B (BACK)

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
2 AUG 02	CEB 72-3224 R1	XPT 268 Shroud Coating		SAL-AMO-22-58
2 AUG 02	CEB 72-3250 R1	Increased Thickness Compressor Scroll		SAL-AMO-22-58
2 AUG 02	CSL-A-3062 R5	Impeller Spline Inspection		SAL-AMO-22-58
2 AUG 02	CSL-A-3066 R5	N1 Shafting Inspection		SAL-AMO-22-58
JUN 25, 2005	CSL-A-3066RG	N1 SHAFTING INSPECTION	SAL 59 QI	SAL-AMO-22-58
JUN 25, 2005	CSL-A-3062RG	INSPECT COMPRESSOR ROTOR SPLINED ADAPTER	SAL 59 QI	SAL-AMO-22-58
JUN 25, 2005	CEB 72-3264	NEW COMPRESSOR ROTOR ASSEMBLY	SAL 59 QI	SAL-AMO-22-58
NOV 8 2005	CSL-A-3066R5	N1 SHAFTING INSPECTION	SAL 66 QI	SAL-AMO-22-58
FEB 27 2007	CSL-A-3062R6	INSPECT COMP. ROTOR SPLINED ADAPTER	SAL 68 QI	SAL-AMO-22-58
FEB 27 2007	CSL-A-3066R5	N1 SHAFTING INSPECTION	SAL 68 QI	SAL-AMO-22-58
FEB 27 2007	CEB 72-3228R1	FOUND EMB.	SAL 68 QI	SAL-AMO-22-58
FEB 27 2007	CEB 72-3241R2	FOUND EMB.	SAL 68 QI	SAL-AMO-22-58
AUG 27 2008	CSL-A-3062R6	Inspect Comp Rotor Splined Adapter	SAL 303 QI	SAL-AMO-22-58
AUG 27 2008	CEB 72-3273 R2	Rear Support - #2 Ring Locking Slot Radius	SAL 303 QI	SAL-AMO-22-58
AUG 27 2008	CEB 72-3241 R1	Found Embodied	SAL 303 QI	SAL-AMO-22-58
JUL 9 2008	CEB A-12-3083	FOUND EMBODIED	SAL 1175 QI	SAL-AMO-22-58

![Rolls-Royce]

Rolls-Royce

Ad Note Compliance
and
Ceb Modification Record
Compressor Assembly

Part III
Page No. 5

Compressor Serial Number CAC- 90641

Engine Model 250- C30S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp. @ Hrs	Signature and Certificate Number
	CEB 72-3242 R1	[illegible] April 2005 / 14,778.2	New #1 Bearing Assy to Reduce 1HZ Whirl				SAL 303 QI [illegible]

GT-2786E (12/98)

Ad Note Compliance and Ceb Modification Record Compressor Assembly

Rolls-Royce

Part III
Page No 6

Compressor Serial Number CAC 96641 Engine Model 250-C30S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp @ Hrs	Signature and Certificate Number

T2786E (12/98)

INSPECTION—MAINTENANCE—OVERHAUL RECORD

COMPRESSOR ASSEMBLY

FORM 2784B-1(4-79)

Compressor Serial Number CAC - 90641 Engine Model 250- C30S

Date	Compressor Time Since OH	Compressor Time Total	Remarks	Signature	Organization
15 Dec 81	New	000	Comp checked for Acceptance W.O. 4900	S. Jordan	S.A.U.
2 Dec 82	N.P.	288.9	Compressor returned c/o 15564	C. Hewitt	SAC
6 Sept 83	N.P.	899.3	Compressor repaired for low power W.O. 16817	C. Hewitt	S.A.C. 203
JUN 14 1984	0.0	1332.2	Compressor overhauled IAW 14W3 and modified IAW Okan 40 EV04886		OHL
17 JUN 1985	624.8	1857.0	REPAIRED & MODIFIED IAW ALLISON 250-C30 MAN 1403 REV 72-5/72-6 ON EV05143		OHL
11 MAY 89	1937.9	3170.1	2500 HR INSP C/O IAW 14W2 @ installed on Eng. CAE 890116. Compressor repaired & INSP AIRWORTHY ON OKAN W/O EV25835		CHC

9-58
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409

Part IV
Page No. 2

INSPECTION — MAINTENANCE — OVERHAUL RECORD
COMPRESSOR ASSEMBLY

ORM 2784B-1(4-79)
Compressor Serial Number CAC - 90641 Engine Model 250- C30 S

Date	Compressor Time Since OH	Total	Remarks	Signature	Organization
MAY 29 1989	1937.9	3170.1	COMPRESSOR INSTALLED ONTO ENG CAE-890562$ ON DKAN EV25836	[signature]	CHC
9 JUL 90	2616.8	3843.0	REPAIRED IAW 14W3 ON W/O EV26465	[signature]	CHL
1 Mar.94	4189.6	5421.8	Compressor 1750 and 3500 hour insp. carried out IAW 14W3 on CGT W/O# 93-07176.	[signature]	Canadian Gas Turbines
	cso:4669	csn:5909			
Nov. 1997	5317.7	6549.9	Compressor repaired IAW 14W3 manual, 2000 hour inspection carried out IAW 14W2 manual on ACRO W/O#'s 97-50818 and 97-53936.	[signature]	ACRO AEROSPACE
	cso:7257	csn:8497			
13 July 98	5556.3	6788.5	Compressor repaired I.A.W. 14W3 Manual as per Acro Aerospace Inc. W/O #98-63845.	[signature]	Acro Aerospace Inc.
	7838 CSO	9078 CSN			

F-2784C (5/95)

INSPECTION - MAINTENANCE - OVERHAUL RECORD
COMPRESSOR ASSEMBLY

Part IV
Page No. 3

Compressor Serial Number CAC- 90641 Engine Model 250- C30S

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
12 AUG 02	8701.5	9933.7	COMPRESSOR CAC-90641 HAS BEEN REPAIRED, (FOR LOW POWER, CRACKED SCROLL), AND TESTED IN ACCORDANCE WITH ROLLS ROYCE 14W3 2nd Edition 8th Revision dated 1/NOV/01 AND THE CURRENT MAINTENANCE RULES OF THE CANADIAN AVIATION REGULATIONS. ALL PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS ORGANIZATION UNDER WORK ORDER # LW-381695. TSO-8701.5, TSN-9933.7, CSO-13561, CSN-14801.	SAL 010 01	
	CSO 14620	CSN-15860			SAL-AMO-22-5
Jan 27/05	9985.4	11220.6	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693		
	CSO-16451	CSN-17691	Compressor has been repaired for low power, 2000 hour Spline Inspection, 3500 Hour Inspection and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed., 10th Rev., dated March 15, 2004, CSL-A-3062 6th Rev. and the current maintenance rules of the Canadian Aviation Regulations. Impeller P/N 23076542 S/N LP51326 has been given a Life Limit Extension to 15 000 Hours or 25 000 Cycles as per Rolls Royce Letter CNA 1660-TDM-1204 dated December 21, 2004. The following parts were replaced: Spline Adapter, Spur Adapter Gearshaft. The compressor is released as repaired subject to a successful check run and power assurance check in the airframe. The work performed is in compliance with CAR 571, FAR Part 43.17, and EASA Part-145 (reference EASA Acceptance Certificate EASA.145.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW517133.		SAL-AMO-22-5
				DUANE ZOKNICK	

Allison

INSPECTION - MAINTENANCE - OVERHAUL RECORD
COMPRESSOR ASSEMBLY

F-2784C (5/95)

Part IV
Page No. 4

Compressor Serial Number CAC-90641   Engine Model 250-C30S

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
3 Nov 05	TMO 10512.0	11749.2	STANDARD AERO, 33 Allen Dyne Road, Winnipeg, Manitoba, Canada R3H 1A1, Phone: 204-788-2693, www.standardaero.com. Compressor Assembly p/n 23051643 s/n CAC90641 had a 2000 hr spline inspection performed iaw CSL-A-3066R5, a custom contour applied to the shroud housing and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 11th Rev. Dated 01/04/05 and the current maintenance rules of the Canadian Aviation Regulations. The following major parts were replaced: Shroud Housing Assy & (1) Bearing. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW571478.	SAL 661 OI; SAL-AMO-22-58; Rebecca Perrault; REBECCA PERRAULT	
	CSO: 17736	CSN: 18976			

Inspection - Maintenance - Overhaul Record
Compressor Assembly

Rolls-Royce

Part IV
Page No. 5

Compressor Serial Number CAC- 90641 Engine Model 250- C30S

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
27 FEB. 07	11181.1 CSO: 19494	12413.3 CSN: 20739446 20554			

STANDARD AERO
www.standardaero.com

33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-788-2693

Compressor Assembly p/n 23051643 s/n CAC90641 has had (1) scroll to air tube flange adapter repaired and a 2000 hr spline inspection performed in accordance with CSL-A-3062R6 & CSL-A-3066R5; remainder had an external visual serviceability inspection in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 12th Rev. Dated 01/04/06, Maintenance Manual 14W2 6th Ed. 13th Rev. Dated 15/11/06 and the current maintenance rules of the Canadian Aviation Regulations. The following major part was replaced: Spur Adapter Gearshaft Assy. **The product is released serviceable for return to service, subject to satisfactory functional test results following installation in the airframe.** All pertinent details of work performed are on file at this organization under Work Order LW645056.

SAL 661 QI

SAL-AMO-22-58

Rebecca Perrault

REBECCA PERRAULT

F-2784C (12/98)

Inspection - Maintenance - Overhaul Record
Compressor Assembly

Rolls-Royce

Part IV
Page No. 6

ompressor Serial Number CAC- 90641 Engine Model 250- C30S

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
8 FEB. 07	11181.1 CSO: 1949.4	12413.3 CSN: 20734/MO ~~20554~~	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Compressor Assembly p/n 23051643 s/n CAC90641 has been installed into engine s/n CAE890238S and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 12th Rev. Dated 01/04/06 and the current maintenance rules of the Canadian Aviation Regulations. **The product is released as repaired, subject to a successful check run and power assurance check in the airframe.** All pertinent details of work performed are on file at this organization under Work Order LW645055.		SAL 661 Qt SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT

2784C (12/98)

Inspection - Maintenance - Overhaul Record
Compressor Assembly

Rolls-Royce

Part IV
Page No. 7

Compressor Serial Number CAC- 90641 Engine Model 250- C30's

Date	Compressor Time Since OH	Compressor Time Total	Remarks	Signature and Certificate No.	Organization
27Aug08	11719.3 CSO: 20815	12951.5 CSN: 22055	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Compressor Assembly p/n 23051643 has been repaired for low power in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 14th Rev. Dated 01/04/08. **The product is released serviceable for return to service, on a time continued basis, subject to satisfactory functional test results following installation in the airframe.** All pertinent details of work performed are on file at this organization under w/o LW711895.	SAL 303 QI J Richard	SAL-AMO-22-58
28 SEPT.08	11719.3 CSO: 20815	12951.5 CSN: 22055	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Compressor Assembly p/n 23051643 s/n CAC-90641 has been installed onto engine s/n CAE-890793 and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 14th Rev. Dated 01/04/08. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW711907.	SAL 661 QI Rebecca Perrault REBECCA PERRAULT	SAL-AMO-22-58

F-2784C (12/98)

Inspection - Maintenance - Overhaul Record
Compressor Assembly

Rolls-Royce

Part IV
Page No. 8

Compressor Serial Number CAC- 90641 Engine Model 250- C30S

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
JUL 10 2009	11943.3	13175.5			SAL 1175 OI
	CSO: 21300	CSN: 22540			
					SAL-AMO-22-58
					R Cervantes
					ROGER CERVANTES
April 2015	13506.0	14738.2			
	CSO: 25070	CSN: 26310			SAL 303 OI
					J Richard
					L Richard
					AMO 22-58

StandardAero
www.standardaero.com
33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-788-2693

Compressor Assembly p/n 23051643 s/n CAC-90641 has been repaired to correct a contaminated Torquemeter System and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 15th Rev. Dated 01/APR/09. The following major parts were replaced: Pressure Oil Restrictor & Front Support. The product is released serviceable for return to service subject to satisfactory functional test results following installation in the airframe. All pertinent details of the work performed are on file at this organization under Work Order LW727069.

StandardAero
www.standardaero.com
33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-318-7588

Compressor Assembly p/n 23051643 has been repaired for a main rotor strike in accordance with Royce 250-C30 14W3 Overhaul Manual 2nd ed, 20th rev., dated 04/01/14. Also performed 150/300/2000 hour field level inspection as indicated on supplied list, law Operations and Maintenance Manual, 14W2, 6th ed., 21th rev dated 11/15/14. Replaced: #1 & #2 bearings and housing, splined adapter, SAG. The product has been released serviceable for return to service, subject to a functional test following installation into the airframe. All pertinent details of work performed are on file at this organization under w/o LW261761.

Cycle Record
Compressor Assembly

Rolls-Royce

Part VI
Page No. 3

Compressor Serial Number CAC-90641 Engine Model 250-C30S

Aircraft S/N / Engine S/N	Installed: Date	Installed: Compressor TT	Installed: Cycle Count / Current Cycles / Cycle Limit	Installed: Engine Cycles at Installation	Removed: Date	Removed: Compresor TT	Removed: Cycle Count / Current Cycles / Cycle Limit	Removed: Engine Cycles at Removal
CAE890210	17 APR 15	14738.2	CSN 21210 CSL 25070	24717				

F-9387 (12/98)

Cycle Record
Compressor Assembly

Rolls-Royce

Part VI
Page No. 1

Compressor Serial Number CAC-90641 Engine Model 250-C30S

	Installed				Removed			
Aircraft S/N Engine S/N	Date	Compressor TT	Cycle Count Current Cycles Cycle Limit	Engine Cycles at Installation	Date	Compresor TT	Cycle Count Current Cycles Cycle Limit	Engine Cycles at Removal

F-9387 (12/98)

FORM 9387-1(4-79)

CYCLE RECORD
COMPRESSOR ASSEMBLY

(Refer to Life Limiting CSL)

Part VI
Page No. 1

Compressor Serial Number CAC - 90641   Engine Model 250- C30S

Installed				Do Not Exceed Cycle Counter Reading	Removed		Cycles This Installation
Date	Owner	Eng S/N	Cycle Counter Reading		Date	Cycle Counter Reading	
11-11-81	Okanagan	890635	0	15000	21/07/82	367	367
2Dec82	OKANAGAN	890635	345	14978	12/3/83	887	542
SEP 20 1983	OKANAGAN (GIMT)	890635	887	14978	84.04.17	1218	331
JUN 14 1984	OKANAGAN GIMT	890635S	~~0~~ CSO	13760	[illegible]	600	600
[illegible] 85	OKAN GIMK	890562S	756	cyc rem: 12892 13648	060289	1448	692 CSN: 2[illegible] CSO: 129[illegible]
31JUN89	OKAN GIMQ	890562S	2800	cyc rem: 12200 27200	07 08 89	3077	277 CSN: 280[illegible] CSO: 156[illegible]
18.09.89	OKAN GIMQ	890562S	3077	cyc rem: 11923 15000	26 09 89	3123	46 CSN: 2855 CSO: 161[illegible]
22.11.89	CHL GIMQ	890562S	3123	CYC REM: 11877 15000	[illegible]	3661	538 CSN: 3393 CSO: 2153
[illegible] 90	CHL GIMV	890238S	3240 ~~4408~~ PEK CSL3133	CYC REM [illegible] ASM [illegible]	26.11.93	5756	2516 CSN: 590[illegible] CSO: 466[illegible]
31.3.94	CHE-GIMJ	890238S	5756	cyc rem: 13823 19579	25NOV97	8128	2372 CSN: 82[illegible] CSO: 70[illegible]
25MAR97	CHE CGIMK	890238S	11214	—	04JUN97	11430	216 CSN: [illegible] CSO: [illegible]
17Nov97	CHE GIMD	890238S	6585	cyc rem: 11038 17623	09APR98	6951	366 CSN: 886[illegible] CSO: 762[illegible]

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CYCLE RECORD
COMPRESSOR ASSEMBLY

Part VI
Page No. 2

(Refer to Life Limiting CSL)

Compressor Serial Number CAC - 90641 Engine Model 250- C30 S

Installed					Removed		
Date	Owner	Eng S/N	ENG CYC Cycle Counter Reading	Do Not Exceed Cycle Counter Reading	Date	ENG CYC Cycle Counter Reading	Cycles This Installation
[illegible]	CHC GIMB	8902383	6980	17652	16JUN9[illegible]	7195	215 CSN 9078 CSO 7830
[illegible] JUL98	A/F #1772.2 CHC CGIMN	8902385	8033	Rem 10457*/18490	A/F 10317.4 17MAR02	13743	5710 CSN ~~14788~~ CSO ~~13548~~ *
				Correction Per Engineering			CSO ~~14820~~ CSN ~~15060~~ SMD MB
							CSO 13598 CSN 14788
3AUG02	A/F 9314.5 #2 CHC CGIMA	8902383	9725	CYC REM 9747 19472	A/F 9611.1 15FEB03	10371	646 CSN 15434 CSO 14194
[illegible]FEB03	A/F 9481.0 #2 CHC CGIMY	8902383	22136	CYC REM 9101 31237	A/F 12471.3 05AUG04	UMO 24393	2257 CSN 17691 CSO 16451
[illegible]JAN05 [illegible]27/05	A/F 21208.2 #1 CHC CGIMH	CAE 8902385	A/F CYC 17196	CYC REM 6844 24040	A/F 21912.3 29MAR05	A/F CYC 17475	279 CSN 17970 CSO 16730
[illegible]MAR05	A/F 2286.3 #1 CHC CGIMZ	CAE 8902388	A/F CYC 14037	CYC REM 6565 20602	A/F 8711.0 31AUG05	A/F CYC 15043	1006 / CSN 18976 CSO 17736
[illegible]NOV05 [illegible]DEC05	A/F 4908.9 #1 CHC CGIMW	CAE 8902385	A/F CYC 17481	CYC REM 3559 23040	A/F 8573.0 24JAN07	A/F CYC 19039	1558 / CSN ~~20534~~ 20734 MB CSO 19494
[illegible]JAN07 [illegible]FEB07	#2 CHC CGIMM	CAE 8902389	~~A/F CYC~~ 20866	CYC REM 3043 23609	18JULY08		CSN 22055 CSO 20815 / 1321
[illegible]SEPT08	GIMB	CAE 880793	25086	500810	17JUN09		CSN 22540 CSO 21300
[illegible]JUL09		CAE 892793			9MAR15		CSN 26310 CSO 25070 MB

* SHOULD NOW READ 15457 RL 25000 CY

ASSEMBLY RECORD
COMPRESSOR ASSEMBLY

Rolls-Royce

Part V
Page No. 3

Compressor Serial Number CAC- 90641 **Engine Model** 250- C30S

Nomenclature	Part Number / Serial Number	INSTALLED Date	INSTALLED Compressor TT CYCLES	INSTALLED Component TT CYCLES	REMOVED Date	REMOVED Compressor TT CYCLES	REMOVED Component TT CYCLES

GT-2785B (10/98)

ASSEMBLY RECORD
COMPRESSOR ASSEMBLY

Rolls-Royce

Part V
Page No. 4

Compressor Serial Number CAC-90641 **Engine Model** 250-C30S

Nomenclature	Part Number / Serial Number	INSTALLED Date	INSTALLED Compressor TT CYCLES	INSTALLED Component TT CYCLES	REMOVED Date	REMOVED Compressor TT CYCLES	REMOVED Component TT CYCLES

GT-2785B (10/98)

FORM 2785B (11-77)

ASSEMBLY RECORD
COMPRESSOR ASSEMBLY

Compressor Serial Number CAC- 90641 Engine Model 250-C30 S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Comp. Total Time	INSTALLED This Item T.T. Cycles	REMOVED Date	REMOVED Comp. Total Time	REMOVED This Item T.T. Cycles	Reason
IMPELLER	6896890	LP61098	11-11-81	0.0	0.0	2 Dec 82	288.9	288.9 367	CEB 72-3059
IMPELLER	6899245	LP61098	2 Dec 82	288.9	288.9 367	28 [illegible]	1857.0 1840	1857.0 1840	
IMPELLER	6899245	LP60841	28 [illegible] 85	1857.0 1840	2621.7 2108	8 Oct. 97	6549.9 8497	7314.6 8765	Repair
IMPELLER	6899245	LP51326	5 Nov. 97	6549.9 8497	7162.8 8962	20 AUG 04	11220.4 17691	11833.3 18156	INSPECTION
* IMPELLER	23076542	LP51326	25 JAN 05	11220.6 17691	11833.5 18156	21 July 08	12951.5 22055	13564.4 22520	EROSION
SPLINE ADAPTER	23051117-1	260812	25 JAN 05	11220.6 17691	0.0 0	21 July 08	12951.5 22055	1731.1 4364	Damaged splines
~~SPUR ADAPTER~~ GEARSHAFT	23073520	~~UC~~ 16481	25 JAN 05	11220.6 17691	0.0 0	9 FEB 07	12413.3 20554	1192.9 2863	WORN GROOVED
~~SPUR~~ ADAPTER	23073520	27984	9 FEB 07	12413.3 20554	0.0 0	21 July 08	12951.5 22055	538.2 1501	WORN

* IMPELLER P/N 23076542 S/N LP51326 HAS BEEN GIVEN A LIFE EXTENSION TO 15,000 HOURS OR 25,000 CYCLES AS PER ROLLS-ROYCE LETTER CNA1660-TDM-1204 DATED 21 DEC 04. [illegible]

ASSEMBLY RECORD

Part V Page No. 2

~~ORM 2785B (11-77)~~ COMPRESSOR ASSEMBLY

ompressor Serial Number CAC – 90641 Engine Model 250-C30 S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Comp. Total Time	INSTALLED This Item T.T. Cycles	REMOVED Date	REMOVED Comp. Total Time	REMOVED This Item T.T. Cycles	Reason
~~Impeller~~	~~23076542~~	LP ~~51326~~							
~~Spur Adapter Gearshaft~~	~~23073520~~	UG ~~27984~~							
Splined Adapter	23051117-1	338114 ~~20081~~	27Aug08	12951.5	0.0 / 0	9Mar15	14738.2	1786.7 / 4255	Worn
Impeller	23076537	JY 105636	27Aug08	12951.5	0.0 / 0	9Mar15	14738.2	1786.7 / 4255	Repair
Spur Adapter Gearshaft	23073520	UG 32817	27Aug08	12951.5	0.0 / 0	9Mar15	14738.2	1786.7 / 4255	Worn
Impeller	23076537	JY 105636	7April15	14738.2	1786.7 / 4255				
Splined Adapter	23511174-1	~~GD~~ 526258	7April15	14738.2	TSO 0.0 / CSO 0				
Spur Adapter Gearshaft	M250-10022	YJ 26752	7April15	14738.2	TSO 0.0 / CSO 0				

Inspection - Maintenance - Overhaul Record
Compressor Assembly

Rolls-Royce

Part IV
Page No. 9

Compressor Serial Number CAC- 90641 Engine Model 250- C30

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
APR 10 2015	13506.0	14738.2			
	CSO 25070	CSN 26310			

StandardAero
www.standardaero.com

33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-318-7588

Compressor Assembly p/n 23051643 s/n CAC90641has been installed onto engine s/n CAE890210 and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 20th Rev. Dated 01/APR/14. **The product is released serviceable for return to service.** All pertinent details of the work performed are on file at this organization under Work Order LW261749.

SAL 1175 QI

SAL-AMO #22-

F-2784C (12/98)

Inspection - Maintenance - Overhaul Record

Compressor Assembly

Rolls-Royce

Part IV
Page No. 10

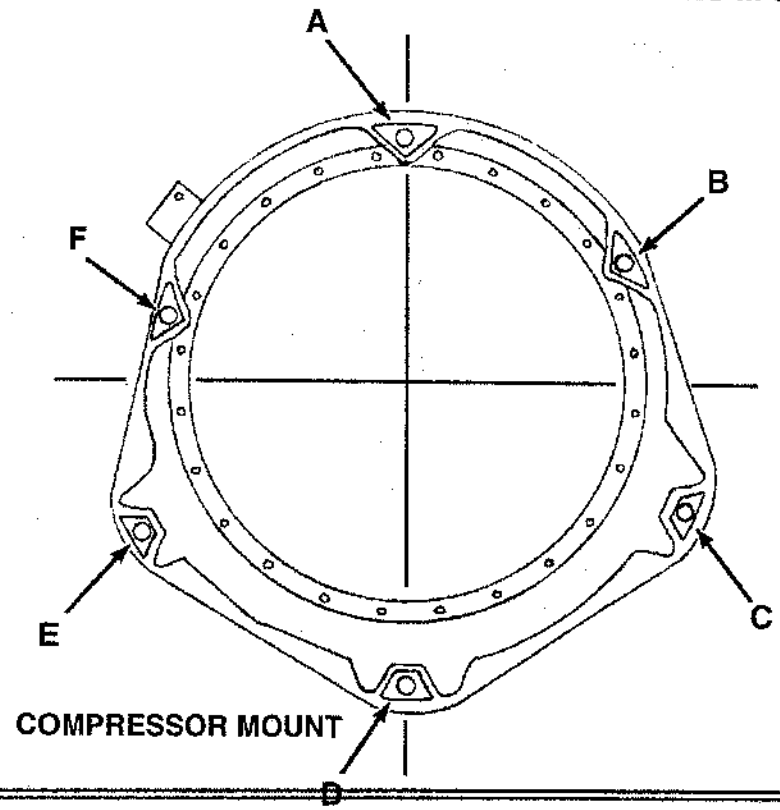
Compressor Serial Number CAC- 9021 Engine Model 250-C30S

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			

2784C (12/98)

ROLLS-ROYCE 250 SERIES III & IV SHIM NOTICE

StandardAero



Shim Position	Total Shim Thickness
A	002
B	000
C	008
D	000
E	002
F	009

Date	APR. 6/15
SAL W/O	LW 26176J
Compressor S/N	CAC 90641

Service Record
Gearbox Assembly

Rolls-Royce

Part I
Page No. 2

Gearbox Serial Number CAG-90615 Engine Model 250-C30S

P/N 23035179

Aircraft S/N / Engine S/N	Installed Date D/M/Y	Installed TT TSO	Removed Date	Removed TT TSO	Reason
~~CAE890157~~	AIF 16462.2 02AUG06	11908.4		12339.5	
CAEB901575 #1	12 JUN 06	9026.7	01 AUG. 07	9457.8	SERVICEABILITY
GEAT		12339.5		13194.6	
CAEB901575	04 AUG. 07	9457.8	29 Sept 08	10312.9	Serviceability
		13194.6		13327.4	OIL LEAK + 3500 HR
CAE-890157	3 NOV 08	10312.9	2 APR. 09	10445.7	GEARTRAIN NDT
		13327.4		14580.9	
CAE-890210	10 JUN 09	10445.7	10 JUL 2013	11699.2	OIL LEAK
		14580.9		14642.3	
CAE-890210	22 OCT. 13	11699.2	3 MAR 15	11760.6	SERVICEABILITY INSP.
		14642.3			
CAE 890210	10 APR 15	11760.6			

F-2782C (12/98) (F)

TRANSFER RECORD

Rolls-Royce

Part II
Page No. 2

Gearbox Serial Number CAG-90615 Engine Model 250-C30S

Transferred/shipped					Received	
Date	From	To	Gearbox Time		Date	Organization
			Total	Since O/H		

-2782C (12/98) (B)

SERVICE RECORD CHL E
GEARBOX ASSEMBLY

Part I
Page No. 1

FORM 2782C-1 (F)(4-79)

Gearbox Serial Number CAG - 90615 Engine Model 250- C30S
P/N 23035179

INSTALLED					REMOVED			
			Gearbox Time			Gearbox Time		
Date	Owner	A/C or Eng. S/N	Since OH	Total	Date	Since OH	Total	Reason
9-24-81		890611	NEW	0.0	06/01/83	-	902.9	METAL
JUL 26 1983	OKAN	GIME 890611	NP	902.9	6 OCT 83	N.P	1102.3	
13 JUL 1984	OKAN (GIMQ)	890611S	No Prev.	1102.3	15 MAY 85	NP	1422.7	MODIFICATION
~~17 DEC 1985~~	OKAN GIMT	890611	No Prev	1422.7	22.03.89	NP	2881.7	
28APR89	CHL GIMT	890611	0.0	2881.7	22 JUN 90	776.3	3658.0	REPAIR
MAR 4 '91	AF-8246.7 CHL - GIME #2	890210	776.3	3658.0	21.5.94	2532.8	5414.5	WITH ENGINE ASS
						2532.8	5614.5	Correction
			~~2532.8~~	~~5614.5~~		2532.8	5414.5	CORRECTION MC
23.9.94	CHE. GIMT #2	8903325	2532.8	5414.5	8 JUL 98	43524	7234.1	
23AUG98	CHC CGIMZ #2	~~890332S~~	4352.4	7234.1	11 FEB02	63049	9186.6	
[illegible]	A/F 19866.3 CHL CGIM[illegible] #2	CAE-890157S	6304.9	9186.6	A/F 21022.8 27 OCT 03	7461.4	10343.1	w/ENGINE
27JAN04 DEC 19/03	A/F 12011.7 #1 CHL CGIMN	CAE 890157S	7461.4 ~~7054~~	10343.1	A/F 12365.9 14JUL04	7815.6	10697.3	w/ENG CAE-890157S
13AUG04 ~~JULY 30/04~~	A/F 11281.6 #2 CHL CGIMR	CAE890157	7815.6	10697.3	A/F 12492.7 13APR06	9026.7	11908.4	w/ENG CAE-890157S

FORM 2782C-1 (B) (4-79)

TRANSFER RECORD

Part II
Page No. 1

Gearbox Serial Number CAG - 90615 Engine Model 250-C30S

SHIPPED					RECEIVED	
			Gearbox Time			
Date	From	To	Since OH	Total	Date	By
9-24-81	DDA-GMC	STANDARD AERO	NEW	0.0		
1-10-81	S.A.L.	Okanagan, Hel.	00.0	N.P.		
Dec 83	OKANAGAN	SAL	N.P.	1102-3	12 JAN 84	SAL
	STANDARD AERO		No Prev.	1102-3		
JUNE 85	OKANAGAN	SAL	No Prev	1422.7	20 Jun 85	SAL
	SAL		No Prev	1422.7		

FORM 2783C-1(4-79)

MODIFICATION RECORD
GEARBOX ASSEMBLY

Gearbox Serial Number CAG - 90615 Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
16 OCT 81	CEB-3026.	3035 Found Embodied	S. Hodder	S.A.L.
30/3/83	CEB 72-3059	2½ Bearing Mod.	Kennedy	SAC 22-58
30/3/83	CEB 72-3054	Oil transfer screened tube	Kennedy	SAC 22-58
18 JUL 1984	CEB. 72-3033, 72-3060	Found Incorporated.		
18 JUL 1984	CEB-72-3043	G.B. Cover + 3-4 Bee Cage-Modify		
18 JUL 1984	CEB-72-3055	Oil Delivery Tube - Inspect		
18 JUL 1984	CEB-72-3063	Pinion Gear - Modify		
18 JUL 1984	CEB-72-3067	Conversion - C30 to C30S		
18 JUL 1984	CEB-72-3069	G/B Cover Pinion Gear Access Aperture		
18 JUL 1984	CEB-72-3077	Oil Tube Ports Chamfer - Modify		
18 JUL 1984	CEB-72-3095	Acc. Bearings - Replace		
18 JUL 1984				
AUG 26 1986	(AD 79-16-06), (AD 84-24-54), (T85-06-51)	FOUND		
AUG 26 1986	—	EMBODIED ON OKAN. W/O EN06545.		OHL

STANDARD AERO LIMITED

OKH 104 E.S.

FORM 2783C-1(4-79)

MODIFICATION RECORD
GEARBOX ASSEMBLY

Gearbox Serial Number CAG - 90615 Engine Model 250-C30

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
APR 2 8 1989	CEB 72-3075	OIL FILTER DIFFERENTIAL PRESS. INDICATOR. REPL. EMB.		
APR 2 8 1989	CEB 72-3086	OIL PRESS. JET ADD SECOND HOLE. EMB.		
APR 2 8 1989	CEB 72-3089	NEW BUSHING FOR CHECK VALVE. EMB.		
APR 2 8 1989	CEB 72-3097	OIL PUMP COVER - LOCTITE SHAFTS. EMB.		
APR 2 8 1989	CEB 72-3145	REWORK GB. LOWER FOR NEW FOLD UP GEARSHAFTS. EMB.		
APR 2 8 1989	CEB 72-3121	IMPROVE THROUGH BOLT FOR IDLER GEAR EMB.		
APR 2 8 1989	CEB 72-3123	OIL TRANSFER TUBES REPLACE + FLANGED BUSHINGS INSTL. EMB		
APR 2 8 1989	CEB 72-3157	NOTCH TO 3-4 Roller Brgs. EMB.		
APR 2 8 1989	CEB 72-3012, 3013, 3016, 3017, 3029, 3039, 3066, 3074, & 72-3098. F/C			
13 FEB 91	AD 79-16-06/39-3650); 84-24-54 R2/(39-5192); T85-06-51 (39-5050); F/C			CHL
13 FEB 91	CEB 72-3013 R2; 72-3059 R1; 72-3063 R2; 72-3066 R2; 72-3067 R2; 72-3075 R1; F/C			"
13 FEB 91	CEB 72-3089 R1; A-72-3098 R2; 72-3104 R1; 72-3120 R1; 72-3121 R2; 72-3157 R1; F/C			"
13 FEB 91	CEB 72-3074 R1 CHANGE OIL PUMP ATTACHMENT BOLTS - EMB			CHL

CANADIAN HELICOPTERS LIMITED

FORM 2783C(11-77)

MODIFICATION RECORD
GEARBOX ASSEMBLY

Gearbox Serial Number CAG - 90615 Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
13 FEB. 91	CEB 72-3154 R1	OIL FILTER HOUSING ADD BRONZE BUSHING TO 'OIL IN' 'OIL OUT' & 'BYPASS' PORTS - EMB.	9-58 14 401	CHC
13 FEB. 91	CEB 72-3158 R1	#5 LAB SEAL MODIFICATION - EMB		"
13 FEB. 91	CEB 72-3167	TQM GEARSHAFT BORE, ADD CHAMFER - EMB	9-58 14 401	"
13 FEB. 91	CEB 72-3177	OIL LEAKAGE AT OIL TRANSFER TUBE PORTS - EMB		CHC
20-09-94	CEB 72-3073 R2	No. 2½ Bearing cage studs-replace.		C.C.
18 August 1998	CEB 72-3126 R2	Flanged studs for compressor mounting boss.	1-16	
June 6, 2002	CEB 72-3193 R3	New Tabbed 3 and 4 Roller Bearings	S.A.L. 501 Q.I.	SAL-AMO-22-58
June 6, 2002	CEB 72-3206	Splitline Mod for Tabbed 3 and 4 Bearings	S.A.L. 501 Q.I.	SAL-AMO-22-58
June 6, 2002	CEB-A-72-3217 R4	Install Improved 3 and 4 Bearings	S.A.L. 501 Q.I.	SAL-AMO-22-58
MAY 0 6 2009	C&L 3195 R1	BORE ALIGNMENT CHECK	SAL 661 QI	SAL-AMO-22-58
MAY 0 6 2009	C&L 3213 RØ	OIL FILTER CAP	SAL 661 QI	SAL-AMO-22-58
MAY 0 6 2009	CEB 72-3097 RØ	OIL PUMP GEARSHAFT - LOCTITE	SAL 661 QI	SAL-AMO-22-58
MAY 0 6 2009	CEB 72-3212 R4	OIL DELIVERY TUBE - IMPROVED TARGETING (PART 2.B. ONLY)	SAL 661 QI	SAL-AMO-22-58

ORM 2783C(11-77)

MODIFICATION RECORD

Part III
Page No. 1

GEARBOX ASSEMBLY

earbox Serial Number CAG 90615 Engine Model C30J

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
AY 0 6 2009	CEB 72-3270R0	REPLACE BREATHER GEAR SEAL	SAL 661 QI	SAL-AMO-22-58
AY 0 6 2009	CEB 72-3271R0	NEW CENTRIFUGAL BREATHER GEARSHAFT	SAL 661 QI	SAL-AMO-22-58
AY 0 6 2009	**The following were found embodied:** AD 84-24-54R2, CEB 72-3013R4, 72-3017R3, 72-3043R2, 72-3050R0, 72-3059R7, 72-3066R2, 72-3067R2, 72-3069R0, 72-3073R2, 72-3074R1, 72-3075R1, 72-3077R0, 72-3086R0, 72-3089R2, 72-3095R1, 72-3104R1, 72-3121R2, 72-3123R2, 72-3126R3, 72-3145R1, 72-3154R4, 72-3157R4, 72-3158R4, 72-3167R1, 72-3177R2, 72-3193R3, 72-3206R0, 72-3260R0, A-72-3098R6 & A-72-3217R4.			
CT 2 3 2013	CEB 72-3003R2	FOUND EMBODIED	SAL 661 QI	SAL-AMO-22-58
CT 2 3 2013	CSL 3195 R1	GEARBOX BORE ALIGNMENT CHECK: COVER ONLY	SAL 1175 QI	SAL-AMO-22-58
CT 2 3 2013	CEB 72-3212R4	OIL DELIVERY TUBE, IMPROVED TARGETING	SAL 1175 QI	SAL-AMO-22-58
CT 2 3 2013	CEB 72-3270	REPLACEMENT OF BREATHER GEAR SEAL	SAL 1175 QI	SAL-AMO-22-58
CT 2 3 2013	CEB 72-3289R1	IMPROVED TORQUEMETER THRUST BEARING.	SAL 1175 QI	SAL-AMO-22-58

INSPECTION — MAINTENANCE — OVERHAUL RECORD
GEARBOX ASSEMBLY

FORM 2784C-1(4-79)

Gearbox Serial Number CAG - 90615 Engine Model 250- C30S

Date	Gearbox Time Since OH	Gearbox Time Total	Remarks	Signature	Organization
16 OCT. 81	00.0	N.P.	Gearbox checked for Acceptance W/O 4200	S. Hodgson	S.A.U.
30/3/83	N.P.	902.9	Gearbox repaired w/o 16743	T Kennedy	SAL 22-5
18 JUL 1984	No Prev.	1102.3	Gearbox Repaired w/o 34952		STANDARD AE
17 DEC 1985	No Prev	1422.7	Gear Box Repaired w/o 59182		SAL
14 JUL '86	NP	1422.7	ASSY RECERTIFIED AND FOUND SERVICEABLE ON OKAN W/O EV08545		OHL
APR 28 1989	0.0	2881.7	OVERHAULED BY OKAN ON EV25825 + RE-INSTD ON TO CAE890611$		CHL
13 FEB. 91	776.3	3658.0	INSPECTED & REPAIRED FOR VIB.		CHL

INSPECTION — MAINTENANCE — OVERHAUL RECORD

GEARBOX ASSEMBLY

FORM 2784C-1(4-79)

Gearbox Serial Number CAG - 90615 Engine Model 250-C30S

Date	Gearbox Time		Remarks	Signature	Organization
	Since OH	Total			
20-09-94	2532.8	5414.5 ~~5614.5~~	Gearbox repaired IAW 14W3 manual on CGT W/O# 94-10576.		CANADIAN GAS TURBINES
Aug. 98	4352.4	7234.1	Gearbox repaired IAW 14W3, 3500 Hour 'On Condition' inspection carried out IAW 14W2 on ACRO Aerospace W/O# 98-64300.		ACRO AEROSPACE
June 6, 2002	6304.9	9186.6	The Gearbox has been repaired (CEB Update) in accordance with Rolls-Royce Model 250-C30 Overhaul Manual 14W3 2nd Ed., 8th Rev., dated November 1, 2001 and the current maintenance rules of the Canadian Aviation Regulations. The product is serviceable and is approved for return to service in accordance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW375686.	DUANE ZORNIG	S.A.L. 501 Q.I. SAL-AMO-22-58

Inspection - Maintenance - Overhaul Record
Gearbox Assembly

Rolls-Royce

Part IV
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Gearbox Serial Number CAG- 90615 Engine Model 250- C30S

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
DEC 19, 2003	7461.4	10343.1	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Gearbox has been repaired worn Torque Meter Pins and tested in accordance with Rolls-Royce Model 250-C30 Overhaul Manual 14W3 2nd Ed., 9th Rev., dated March 1, 2003, and the current maintenance rules of the Canadian Aviation Regulations. The gearbox is released as repaired subject to a successful check run and power assurance check in the airframe. The work performed in compliance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW468721.	SAL-AMO-22-58 S.A.L. 501 Q.I. DUANE ZORNIAK	

F-27848 (12/98)

Inspection - Maintenance - Overhaul Record
Gearbox Assembly

Rolls-Royce

Part IV
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Gearbox Serial Number CAG- 90615 Engine Model 250-C30S

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
JULY 30, 2004	7915.6	10697.3	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693		
			Gearbox has been given an external visual inspection for serviceability and tested in accordance with Rolls-Royce Model 250-C30 Operation and Maintenance Manual 14W2 6th Ed., 10th Rev. dated November 15, 2003, Rolls-Royce Model 250-C30 Overhaul Manual 14W3 2nd Ed., 10th Rev., dated March 15, 2004, and the current maintenance rules of the Canadian Aviation Regulations. This gearbox has been released as repaired subject to a successful check run and power assurance check in the airframe. The work performed is in compliance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW517046.	SAL-AMO-22-58 S.A.L. 501 Q.I. DUANE ZORNIAK	

-2784B (12/98)

Inspection - Maintenance - Overhaul Record
Gearbox Assembly

Rolls-Royce

Part IV
Page No. 5

Gearbox Serial Number CAG- 90615 Engine Model 250- C30S

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
14 JUN 06	9026.7	11908.4	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Gearbox Assembly p/n 23035179 s/n CAG90615 had an external visual serviceability inspection and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 11th Rev. Dated 01/04/05, Maintenance Manual 14W2 6th Ed. 12th Rev. Dated 15/11/05 and the current maintenance rules of the Canadian Aviation Regulations. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW605928.	SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT	SAL 661 Q!
04 AUG. 07	9457.8	12339.5	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Gearbox Assembly p/n 23035179 s/n CAG90615 has had an external visual serviceability inspection (Lube Oil Filter Assy was cleaned) in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 13th Rev. Dated 01/04/07 and Maintenance Manual 14W2 6th Ed. 13th Rev. Dated 15/11/06. **The product is released serviceable for return to service, subject to satisfactory functional test results following installation in the aircraft.** All pertinent details of work performed are on file at this organization under Work Order LW676914.	SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT	SAL 661 Q!

F-2784B (12/98)

Inspection - Maintenance - Overhaul Record
Gearbox Assembly

Rolls-Royce

Part IV
Page No. 6

Gearbox Serial Number CAG-90615 Engine Model 250-C30S

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
24 Aug 07	9457.8	12339.5	STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Gearbox Assembly p/n 23035179 s/n CAG90615 has been installed onto engine s/n CAE890157S and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 13th Rev. Dated 01/04/07. **The product is released as repaired, subject to a successful check run and power assurance check in the airframe.** All pertinent details of work performed are on file at this organization under Work Order LW676912.	SAL 661 QI SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT	
20 Oct 08	10312.9	13194.6	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Gearbox Assembly p/n 23035179 has had an external, visual inspection for serviceability in accordance with Rolls Royce 250-C30 Operations and Maintenance Manual 14W2 6th Ed. 14th Rev. Dated 11/15/07. **The product is released serviceable for return to service, on a time continued basis, subject to satisfactory functional test results following installation in the airframe.** All pertinent details of work performed are on file at this organization under w/o LW711922.	SAL 303 QI M Richard SAL-AMO-22-58	

Inspection - Maintenance - Overhaul Record
Gearbox Assembly

Rolls-Royce

Part IV
Page No. 7

Gearbox Serial Number CAG- 90615 Engine Model 250- C30S

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
6 NOV 08	10312.9	13194.6	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Gearbox Assembly p/n 23035179 s/n CAG-90615 has been installed onto engine s/n CAE-890157 and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 14th Rev. Dated 01/04/08. The **product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW711920.		SAL 661 QI SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT
6 MAY 09	10445.7	13327.4	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Gearbox Assembly p/n 23035179 s/n CAG-90615 has been repaired to correct an Oil Leak @ Turbine Mounting Stud; the 3500 hr NDT was performed on the geartrain & the helicoil repair performed on the oil drain ports in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 14th Rev. Dated 01/04/08. The following major parts were replaced: (1) Oil Pump Gear Shaft, G/B Cover Assy, Oil Filter Cap & Bearings. **The product is released serviceable for return to service, subject to satisfactory functional test results following installation in the airframe.** All pertinent details of work performed are on file at this organization under Work Order LW726656.		SAL 661 QI SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT

F-27848 (12/98)

Inspection - Maintenance - Overhaul Record
Gearbox Assembly

Rolls-Royce

Part IV
Page No. 8

Gearbox Serial Number CAG- 90615 Engine Model 250- C30S

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
11 JUN 09	10445.7	13327.4	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Gearbox Assembly p/n 23035179 s/n CAG-90615 has been installed onto engine s/n CAE-890210 & tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 15th Rev. Dated 01/04/09. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW741400.		SAL 661 QI SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT
OCT 23 2013	11699.2	14580.9	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-318-7588 Gearbox Assembly p/n 23035179 s/n CAG90615 has been repaired to correct oil leaks at the 3-4 Bearing Cage in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 19th Rev. Dated 01/APR/13. 150 hr inspections have been complied with in accordance with Operation and Maintenance 14W2 6th Ed. 19th Rev. Dated 15/NOV/12. The following major parts were replaced: Oil Delivery Tube and (3) Bearings. The product is released serviceable for return to service, on a time continued basis, subject to satisfactory functional test results following installation in the airframe. All pertinent details of the work performed are on file at this organization under Work Order LW261114.		SAL 1175 QI SAL-AMO-22-58 ROGER CERVANTES

F-2784B (12/98)

Inspection - Maintenance - Overhaul Record
Gearbox Assembly

Rolls-Royce

Part IV
Page No. 9

Gearbox Serial Number CAG- 90615 Engine Model 250- C30

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
24 OCT. 13	11699.2	14580.9	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-318-7588 Gearbox Assembly p/n 23035179 s/n CAG90615 has been installed onto engine s/n CAE890210 & tested iaw Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 19th Rev. Dated 01 Apr. 2013. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW261112.		SAL 661 QI SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT
APR 10 2015	11760.6	14642.3	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-318-7588 Gearbox Assembly p/n 23035179 s/n CAG90615 has had an external visual serviceability inspection in accordance with Rolls Royce 250-C30 Operation & Maintenance Manual 10W2 2nd Ed. 21st Rev. Dated 15/NOV/14 and tested in accordance with Overhaul Manual 14W3 2nd Ed. 20th Rev. Dated 01/APR/14. **The product is released serviceable for return to service.** All pertinent details of the work performed are on file at this organization under Work Order LW261749		SAL 1175 QI SAL-AMO #22-58 ROGER

F-2784B (12/98)

Inspection - Maintenance - Overhaul Record
Gearbox Assembly

Rolls-Royce

Part IV
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Gearbox Serial Number CAG- 90615 Engine Model 250- C30 S

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			

F-2784B (12/98)

Service Record
Turbine Assembly

Rolls-Royce

Part I
Page No. 3

Turbine Serial Number CAT-903410 Engine Model 250-C30S

Aircraft S/N / Engine S/N	Installed Date	Installed Turbine TT / Turbine TSO	Removed Date	Removed Turbine TT / Turbine TSO	Reason
		14861.3		14922.7	
CAE-890210	22 OCT 13	0.0	3 MAR 15	61.4	SERVICE FACILITY INSP
CAE 890210	10 APR 15	14922.7			
		61.4			

Transfer Record

Rolls-Royce

Part II
Page No. 3

urbine Serial Number CAT-10340 Engine Model 250-C30S

TRANSFERRED/SHIPPED					RECEIVED	
Date	From	To	Turbine Time		Date	Organization
			Total	Since O/H		

GT-2782D (4/01) (8)

GT-2782D(F) (4-84)

SERVICE RECORD
TURBINE ASSEMBLY

Part I
Page No. 2

Turbine Serial Number CAT-90340 Engine Model 250-C30S

INSTALLED					REMOVED			
			Turbine Time			Turbine Time		
Date	Owner	A/C or Eng. S/N	Since OH	Total	Date	Since OH	Total	Reason
28JAN97	A/F 6141.2 CHE CGIMB	CAE 890450S	0.0	7075.4	17NOV97	562.4	7637.8	3rd 4th st wh cycled on
[illegible]	GIMB #1 CHE 890450S	[illegible]	0.0	7637.8	21APR98	8.2	7646.0	with eng CAE 890450
03MAY98	CHE GIMA	890450S	8.2	7646.0	05MAY00	1431.3	9069.1	Due For O/H
15SEP00	A/F 10118.2 CHE CGIMY	890381S	0.0	9069.1	A/F 10349.9 16FEB01	231.7	9300.8	WITH ENG CAE 89038
9 May 2001	A/F 4373.7 / CAE C-GIMW #2	CAE890381S	231.7	9300.8	A/F 4908.1 24OCT01	760.1	9829.2	WITH ENG CAE 89038
19FEB02	A/F 17247 #1 CHL CGIMV	CAE890381S	1211.1	9829.2	A/F 12456.1 11FEB03	1426.5	10495.6	W/ENG CAE 890381
07JUN03 May 26/03	A/F 16860.4 #2 CHL CGIMM	CAE 890210S	0.0	10495.6	A/F 16967.1 28JUL03	106.7	10602.3	W/ENG CAE 890210
03SEP03 Aug 26/03	A/F 6360.8 #2 CHL CGIMW	CAE890210S	CSO 258 106.7	10602.3	A/F 6606.0 25JAN04	CSO 965 351.9	10847.5	W ENG CAE 890205
01 MAY 04 FEB 20 2004	A/F 17547.3 #1 CANADIAN	CAE GIMM 890210S	CSO 965 351.9	10847.5	A/F 18303.1 09MAY05	CSO 2703 1107.7	11603.3	W/ENG CAE 890210S
12MAY05	A/F 15653.7 #2 CHC CGIMT	CAE 890210S	CSO 2703 1107.7	11603.3	A/F 15727.7 29JUN05	CSO 1211.7	11707.3	[illegible] W/ENG CAE 890210S
27SEP05	A/F 13888.0 #1 CHL CGIMV	CAE 890210S	1211.7	11707.3	30MAR07	2006.0	12501.6	W/ENG. CAE 890210S
5 JUL 07 23 MAY 07	CHL CGIMW	CAE 890210S	0.0	12501.6	20April 09	1106.2	13607.8	1st + 2nd Wheel Chan[illegible]
10 JUN 09	CHL	CAE-890210	1106.2	13607.8	10 JUL 13	2359.7	14861.3	OVERHAUL

T-27820(B)(4-84)

TRANSFER RECORD

Part II
Page No. 2

Turbine Serial Number CAT90340 Engine Model 250-C30S

SHIPPED					RECEIVED	
Date	From	To	Turbine Time Since OH	Turbine Time Total	Date	By
	Canadian Nat.	SAL	760.1	9829.0	11-6-01	SAL
03,2002	SAL	Canadian Nat.	760.1	9829.2		
	SAL		0.0	10495.6		

SERVICE RECORD
TURBINE ASSEMBLY

Part [illegible]
Page No. 1

FORM 2782D-1 (4-79)

Turbine Serial Number CAT- 90340   Engine Model 250-C30S

P/N [illegible] 23075128 ([illegible]) HB

INSTALLED					REMOVED			
			Turbine Time			Turbine Time		
Date	Owner	A/C or Eng. S/N	Since OH	Total	Date	Since OH	Total	Reason
7-30-80	Okanagan	890332	NEW	0.0	07/07/82		826.8	Low Power.
15 Oct 82	OKANAGAN	890332	0.0	826.8	05/02/83	184.8	1011.6	
3 MAY 83	OKANAGAN	890332	184.8	1011.6	JUL 29 '84	1483.4	2310.2	
[illegible]	OKAN (GIMN)	890332S	0.0	2310.2	10 [illegible] '84	56.8	2367.0	
[illegible]	OKAN (GIML)	890332S	56.8	2367.0	29 MAR [illegible]	335.2	2645.4	
[illegible] 85	OKAN GIMG	890332S	335.2	2645.4	24 JUL 86	1141.0	3451.2	
[illegible] JUN 87	OKAN GIML	890053S	0.0	3451.2	15 FEB 87	76.7	3527.9	
25 MAY 87	OKAN GIMT	890053S	76.7	3527.9	27.04.89	1040.6	4491.5	
						1041.2	4492.4	HRS ADJ TO AGREE TO ACTUAL HRS ON [illegible]
~~12.1.89~~	~~CHL 7434.6 GIMS~~	~~8901745~~	~~0.0~~	~~4492.4~~	~~26.4.93~~	~~1215.4~~	~~5707.8~~ entered in error	
12.1.89	CHL 7434.6 GIMS	8901745	0.0	4492.4	26/4/93	1215.4	5707.8	Overhaul
31.7.93	CHL A/F 7587.9 GIMV H1	8901745	0.0	5707.8	20.11.96	1367.6	7075.4	4th st. wh. Cycled [illegible]

TRANSFER RECORD

Part II
Page No. 1

ORM 2782D-1 (4-79)

Turbine Serial Number CAT - 90340 · Engine Model 250-C30 S

SHIPPED					RECEIVED	
Date	From	To	Turbine Time Since OH	Turbine Time Total	Date	By
7-30-80	DDA-CMC	SIKORSKY AIRCRAFT	NEW	0.0	16 Oct 1980	SIKORSKY AIRCRAFT QUALITY ASSURANCE
26-80	SIKORSKY	OKANAGAN	NEW			
27-80	SIKORSKY	OKANAGAN	NEW	0.1		
July 82	OKANAGAN	SAC	N.A.	826.8	19 July 82	SAC
Oct 82	SAC	OKANAGAN	0.0	826.8		
Feb 83	OKANAGAN	SAC	184.8	1011.6	1 MAR 83	SAC
4.4.83	SAC	OKANAGAN	184.8	1011.6		

FORM 2783D-1(4-79)

MODIFICATION RECORD
TURBINE ASSEMBLY

Part III
Page No. 1

Turbine Serial Number CAT - 90340 Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
15 Oct 82	CEB 72-3027	FIRESHIELD/INSULATION BLANKET	[signature]	SAC
15 Oct 82	CEB 72-3031	1st STGE NOZZLE MODIFY	[signature]	SAC
15 Oct 82	CEB 72-3032	6-7 BRG OIL NOZZLE REPAIR	[signature]	SAC
15 Oct 82	CEB 72-3036	2ND STGE NOZZLE MODIFY	[signature]	SAC
15 Oct 82	CEB 72-3038	2ND STGE WHL MODIFY	[signature]	SAC
15 Oct 82	CEB 72-3040	FLOWSPLITTER MODIFY	[signature]	SAC
15 Oct 82	CEB 72-3044	EXHAUST COLLECTOR INNER CONE MODIFY	[signature]	SAC
15 Oct 82	CEB 72-3053	PT INNER & OUTER SHAFTS & INNER NUT ELECTROLESS NICKEL PLATE	[signature]	SAC
15 Oct 82	AD 81-13-12 CEB 72-3056	4TH STGE NOZZLE INSPECT	[signature]	SAC
15 Oct 82	CEB 72-3058	PT INNER SHAFT PILOT DIA OD REWORK	[signature]	SAC
31 MAY 1983	CEB 72-3065	EX COLLECTOR ADD 1/8 VENT & COMP VALVE VENT	[signature]	SAC
15 OCT 1984	AD 83-22-05	Comply 39-4755 Inspection Shafting/Couplings	[signature] [stamp]	OHL

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MODIFICATION RECORD
TURBINE ASSEMBLY

Part III
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urbine Serial Number CAT- 90340 Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
16 OCT 1984	T84-17-51	Allison C30 Build Procedure	[signature] [stamp]	OHC
18 OCT 1984	CEB72-3065	Modify P.T. Oil Sump cover	[signature] [stamp]	"
	-3094	New #8 brg		"
	-3096	Exhaust coll mods		"
	-3099	Inspect & reidentify 4th stg nozzle		"
	-3101	Add outer bond reinforcing ring & rope packing		"
	-3103	Replace turb to comp coupling shaft		"
	-3107	Replace 1st stg whls		"
	-3108	Inspect shafting & replace O'ring		"
	-3114	Modify position plugs		"
	-3061	Break edge hole G.P. Support		"
	-3067	Conversion to C30S		"
	TL-53	Pressure test #8 brg seal		"

FORM 188D

MODIFICATION RECORD
TURBINE ASSEMBLY

Turbine Serial Number CAT-90340 Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
03 JUN 1985	AD 84-17-51 R1	Allison C30 Build Proced. THO-1977W-RMC-84		
"	84-24-02	Internal Energy Absorb Ring - Allison Assured Eng.		
"	T84-24-54	Replace Turb to Comp coupling		
"	T85-06-51	Replace Mag Plugs.		
"	CEB 72-3079	Found embodied		
"	72-3127	Assy & insp proced. TI 54/AD T84-17-51		OHC
"	A-72-3128 R4	Mod G Support & incorp int energy absorbing ring		
"	CSLA3066	N. shafting insp		
"	CEBA-72-3131	2nd Stg nozz: increase clear. in lab seal		
"	A-72-3132	Replace 2nd stg wheel		
"	A-72-3134	Replace coupling shaft		
17 OCT 1986	CEB 72-3025	PT OUTER COUPLING NUT - REWORK F/E		OHC

FORM 188D (BACK)

MODIFICATION RECORD
TURBINE ASSEMBLY

Part III
Page No. 4

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
7 OCT 1988	CEB 72-3109	G.P. ROTOR TIEBOLT - REPLACE		OKH 102 ES
7 OCT 1988	CEB 72-3110	VERTICAL FIREWALL - REPLACE MOUNTING PADS.		4
7 OCT 1988	CEBA 72-3119	P.T. INNER + OUTER SHAFTS, THICKER ELECTROLESS NICKEL PLATING.		4
7 OCT 1988	CEB 72-3122 R1	NEW FOURTH STG NOZZLE		4
7 OCT 1988	CEBA 72-3143	INSP. TURB. SHAFTING + REPLACE S.A.G. O RING		OKH 102 ES 4
7 OCT 1988	CEBA 72-3146	INSP OF SPLINED ADAPTER LOCKNUT TORQUE		OKH 102 ES
09 APR 1987	AD86-19-12	ENGINE NOOS F/E		OKH 102 ES
8 APR 1987	AD86-20-13	SPLINED ADAPTER LOCKNUT TORQUE F/E		9-58 14 409
10 NOV '89	AD83-22-05	INSP TURB SHAFTING REPL SAG ORING EMB		CHL
10 NOV '89	AD84-17-51	TURB MODIFICATION + BUILD PROCEDURE. EMB		4
10 NOV '89	AD86-20-13	SPLINED ADAPTER LOCKNUT TORQUE. EMB.		4
10 NOV '89	CEB 72-3023	E.C. RETAINING RINGS. - ADD. EMB.		9-58 14 409
10 NOV '89	CEB 72-3151	FLATNESS REQUIREMENT SUMP COVER + PT SUPPORT. EMB.		4

FORM 2783D-1(4-79)

MODIFICATION RECORD
TURBINE ASSEMBLY

Turbine Serial Number CAT - 90340 Engine Model 250- C30S.

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
10 NOV '89	CEB 72-3153	ADD THREE PADS TO G.P. SUPPORT EMB		CANADIAN HELICOPTERS LIMITED 9-58 14 409
10 NOV '89	CEB 72-3142	3RD STG NOZZLE MODIFY. EMB		
10 NOV '89	CEB 72-3165	G.P. PRESS OIL TUBE REPLACEMENT. EMB		
10 NOV '89	CEB 72-3111	E.G. VENT TUBE DOUBLERS. EMB		
10 NOV '89	CEB 72-3150	2nd STG NOZZLE INNER RING. REPLACE. EMB		
10 NOV '89	CSL-A-3066	N1-SHAFTING INSP. EMB		
10 NOV '89	CSL 3068	ALLISON ASSURED ENGINE. EMB		
10 NOV '89	CSL 3073	TURB ROTOR SPLINE LOCKOUT TORQUE REQUIREMENTS. EMB		
10 NOV '89	CSL 3071	TURB ALIGNMENT BUILD PROCEDURE. EMB.		
10 NOV '89	CSL-A-3087	INSP TURB SPLINED ADAPTER LOCKOUT TORQUE. EMB		
10 NOV '89	ATA 84-24-54	FIE		
10 NOV '89	A080-19-12	FIE		
10 NOV '89	CEB 72-3024, A-72-3049, 72-3072, -3128, -3131	FIE		CANADIAN HELICOPTERS LIMITED 9-58 14 409

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MODIFICATION RECORD
TURBINE ASSEMBLY

Part III
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urbine Serial Number CAT- 90340

Engine Model 250- C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
July 1993	CEB 72-3061	GP and PT supporcs-break edge hole.		
July 1998	CEB 72-3168 R1	1st stg.nozzle diaphragm locating key welds-mod		
July 1993	CEB 72-3169 R1	4th stg.nozzle diaphragm locating key welds-mod		Canadian
July 1993	CEB A72-3180 R5	Al seal coating PT inner & outer sahfts.		Gas
July 1993	CSL A-3066 R2	N1 - shafting inspection.		Turbines
July 1993	CEB 72-3079 R1, 72-3183, AD 88-07-06 F/E.			
Aug. 96	CEB 72-3161R2	GP support-modify pilot fit.		231-91 I4 T-16
Aug. 96	CEB 72-3188R2	2nd Stg. Turbine nozzle radial clear-ance-modify.		
Aug. 96	CEB A72-3208	Insp.1st Stg.nozzle shield dome.		
Aug. 96	CSL A-3066 R2	N1-shafting inspection.		
Aug. 96	CSL 3068 R2	Allison assured engine.		ACRO AEROSPACE
Aug. 96	CEB A72-3125 R3 F/E.			231-91 I4 T-16

Inspection - Maintenance - Overhaul Record
TURBINE ASSEMBLY

Rolls-Royce

Part IV
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Turbine Serial Number CAT- 90340 Engine Model 250-C30S

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
Aug 22, 2003	106.7	10602.3			
	CSO: 258	CSN: 16938			

STANDARD AERO
www.standardaero.com

33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-788-2693

Turbine has been given an visual external serviceability inspection and tested in accordance with Rolls-Royce Model 250-C30 Operation and Maintenance Manual 14W2 6th Ed., 9th Rev., dated November 1, 2002, and the current maintenance rules of the Canadian Aviation Regulations. The turbine is approved for return to service following a completion of satisfactory functional test while installed in the airframe. The work performed is approved in compliance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW468708.

SAL-AMO-22-58

S.A.L. 501 Q.1

DIANE ZERONIAK

F-2784D (8/99)

Inspection - Maintenance - Overhaul Record
Turbine Assembly

Rolls-Royce

Part IV
Page No. 6

Turbine Serial Number CAT-90340 Engine Model 250- C30S

Date	Turbine Time Since OH	Turbine Time Total	Remarks	Signature and Certificate No.	Organization
Feb 25/04	351.9 CSO: 965	10847.5 CSN: 17645			

STANDARD AERO
www.standardaero.com

33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-788-2693

Turbine Assembly p/n 23033195 s/n CAT90340 has been given an external visual serviceability inspection in accordance with Rolls Royce 250-C30 Maintenance Manual 14W2 6th Edition 10th Rev. Dated 15/11/03. **The product is released for return to service, on a time continued basis, subject to satisfactory functional test results following installation on the airframe.** All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of work performed are on file at this organization under Work Order LW468739.

SAL 303 QI

SAL-AMO-22-58

2784D (8/99)

INSPECTION - MAINTENANCE - OVERHAUL RECORD
TURBINE ASSEMBLY

F-2784D (5/95)

Part IV
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Turbine Serial Number CAT-90340 Engine Model 250-C30

Date	Turbine Time		Remarks	Signature and	Organization
	Since OH	Total			
20MAY03	0.0	10495.6	Turbine Assy. P/N 23033195 S/N CAT-90340 has been overhauled IAW Rolls-Royce 250-C30 overhaul manual, 14W3, 2Edit, R8, 1NOV01 and the current maintenance rules of the Canadian Aviation Regulations. The product is approved serviceable for return to service in compliance with CAR 571, FAR 43.17 and JAR145 (ref. JAA Acceptance Certificate jaa.7059). All pertinent details of work performed are on file at Standard Aero Ltd. under W/O LW443263.		
	CSO 0	CSN 16680			

SAL AMO-22-58

INSPECTION - MAINTENANCE - OVERHAUL RECORD
TURBINE ASSEMBLY

-2784D (5/95)

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urbine Serial Number CAT-90340 Engine Model 250-C30S

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
May 26, 2005	0.0	10995.6			
	CSO: 0	CSN: 16680			
					SAL-AMO-22-58
					SAL 501 Q1
					DUANE ZOERNACK

STANDARD AERO
www.standardaero.com

33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-788-2693

Turbine has been installed onto engine S/N CAE 890210S in accordance with Rolls-Royce Model 250-C30 Overhaul Manual 14W3 2nd Ed., 8th Rev., dated November 1, 2001 and the current maintenance rules of the Canadian Aviation Regulations. The turbine tested serviceable and is approved for return to service in accordance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW443251.

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INSPECTION — MAINTENANCE — OVERHAUL RECORD
TURBINE ASSEMBLY

FORM 2784D-1 (4-79)

Turbine Serial Number CAT - 90340 Engine Model 250-C30S

Date	Turbine Time		Remarks	Signature	Organization
	Since OH	Total			
15 Oct 82	0.0	826.5	Turbine Overhauled w/ 13498	[illegible]	SAL
31 May 83	184.8	1011.6	Turbine Repaired w/o 21670	[illegible]	SAL
16 OCT 1984	0.0	2310.2	Assy O/H'd IAW 14W3 W/O EV04976	[illegible]	OHL
03 JUN 1986	335.2	2645.4	Repaired + Modified IAW 14W3 W/O EV05141	[illegible]	OHL
17 OCT 1986	0.0	3451.2	Overhauled I.A.W. 14W3 on EV08582	[illegible]	OHL
09 APR 1987	76.7	3527.9	Repaired I.A.W. 14W3 on EV25050	[illegible]	OHL
10 NOV '89	0.0	4492.4	Overhauled IAW 14W3 on EV25916	[illegible]	CHL
10 NOV '89	0.0	4492.4	Installed onto CAE890174 on	[illegible]	
			CHL EV26037		CHL
20 July 1993	0.0	5707.8	Turbine assembly overhauled IAW 14W3 manual	[illegible]	Canadian
	cso: 0	csn:7338	on CGT W/O# 93-02707.		Gas Turbine

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INSPECTION — MAINTENANCE — OVERHAUL RECORD
TURBINE ASSEMBLY

ORM 2784D-1 (4-79)

urbine Serial Number CAT - 90340 Engine Model 250-C30S

Date	Turbine Time Since OH	Turbine Time Total	Remarks	Signature	Organization
-8-96	0.0	7075.4	Turbine overhauled IAW 14W3 manual		231-91 T4 T-15
	cso: 0	csn: 9563	on ACRO W/O# 96-36644.		
or. 1998	0.0	7637.8	Turbine overhauled IAW 14W3 manual on ACRO		231-91 SCA T-16
	cso: 0	csn: 11006	W/O# 97-57377.		
July 00	0.0	9069.1	Turbine overhauled IAW 14W3 manual on ACRO	ACRO AEROSPACE INC.	
	cso: 0	csn: 13995	Aerospace W/O# 20-05257.		
Apr. 2001	231.7	9300.8	Turbine repaired IAW 14W3 manual, 300 hour	ACRO AEROSPACE INC.	
	cso:566	csn:14561	inspection carried out IAW 14W2 on ACRO		
			Aerospace W/O# 21-3324.		231-91 SCA T-49
33 2002	760.1	9829.7	Turbine Assembly has been repaired in accordance with Rolls-Royce model 250-C30 Overhaul Manual 14W3 2nd Ed., 7th Rev., dated 11/15/00, RDA Certificate # C-RE94-231 and the current maintenance rules of the Canadian Aviation Regulations. The product is released serviceable and is approved for return to service on time continued basis in compliance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW357242.	S.A.I. 501 QT	
	cso: 1747	csn: 15342		DUANE [illegible]	SAL AMO-22-58

D NOTE COMPLIANCE AND
EB MODIFICATION RECORD
URBINE ASSEMBLY

Rolls-Royce

Part III
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urbine Serial Number CAT 90340 Engine Model 250-C30S

AD #	Applicable CEB #	Date Hours @ Comp	Method of Compliance	One Time	Recurring	Next Comp. Date Next Comp. @ Hrs	Signature and Certificate Number
	CEB-A-72-3268R1	10 OCT 2013	INSPECTION OF IMPD	X			SAL 1175 01 SAL-AMO-2258
		14861.3	STG. WHEEL				
	CEB 72-3298	12 MAR 15	NO.5 BEARING RETAINING	X			SAL 1175 01 SAL-AMO #22-58
		14922.7	PLUG REPLACEMENT				

2788A (6/00)

Ad Note Compliance And Ceb Modification Record Turbine Assembly

Rolls-Royce

Part III
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Turbine Serial Number CAT-903410 Engine Model 250-C30S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp. @ Hrs	Signature and Certificate Number
CEB 72-3031R4, 72-3109R3, 72-3114R1, 72-3134R2, 72-3153R5							
72-3158R4, 72-3161R2, 72-3168R2, 72-3169R2, 72-3179R3,							
72-3219R2, 72-3221R1, 72-3238R1, 72-3259R1,							
A-72-3127R4, A-72-3128R2, A-72-3135R3		1 OCT 2013					SAL 1175 01 SAL-AMO-22-58
		14861.3	WERE FOUND EMBODIED				
AD 26-20-13		1 OCT 2013	INSPECTION OF SPLINED				SAL 1175 01 SAL-AMO-22-58
		14861.3	ADAPTER LOCKNUT TORQUE	X			
	CSL-A-3087R1	1 OCT 2013	INSPECTION OF SPLINED				SAL 1176 01 SAL-AMO-22-58
		14861.3	ADAPTER LOCKNUT TORQUE	X			
	CEB 72-3196R6	1 OCT 2013	SEMI FINISHED				SAL 1175 01 SAL-AMO-22-58
		14861.3	2ND NOZZLE	X			
	CEB A-72-3146R1	1 OCT 2013	SPLINED ADAPTER				SAL 1175 01 SAL-AMO-22-58
		14861.3	LOCKNUT TORQUE CHECK	X			

T-2788A (10/98)

AD NOTE COMPLIANCE
AND
CEB MODIFICATION RECORD
TURBINE ASSEMBLY

Rolls-Royce

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Turbine Serial Number CAT- 90340 Engine Model 250-C30S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp. @ Hrs	Signature and Certificate Number
	CEB 72-3269R1	30 MAY 07 / 12501.6	2ND STG SPLINE ADAPTER + SPLINE LOCK NUT	X		N/A	SAL 661 QI SAL-AMO-22-58
	CEB A-72-3168R3	30 MAY 07 / 12501.6	TURB. SHAFTING - INSP.	X		N/A	SAL 661 QI SAL-AMO-22-58
	CEB A-72-3268R1	30 MAY 07 / 12501.6	INSPECTION OF 3RD STG WHEEL P/N 6898663	X		N/A	SAL 661 QI SAL-AMO-22-58
	CEB A-72-3278R1	30 MAY 07 / 12501.6	PT OUTER SHAFT - N/A TO S/N DN80137	X		N/A	SAL 661 QI SAL-AMO-22-58
	CSL-A-3087 R1	27 May 09 / 13607.8	Inspection of Turbine Spline Adapter Locknut - Torque		X		SAL 303 QI SAL-AMO-22-58
	CEB-A-72-3127R4	27 May 09 / 13607.8	2nd Nozzle Inspection				SAL 303 QI SAL-AMO-22-58
	CEB-A-72-3252R6	27 May 09 / 13607.8	Inspection (NDT) of 1st Nozzle Shield		X		SAL 303 QI SAL-AMO-22-58
	CEB 72-3122R1,	27 May 09 / 72-3153R5, 72-3259	FOUND EMBODIED				SAL 303 QI SAL-AMO-22-58
D 88-07-06		1 OCT 2013 / 14661.3	FOUND EMBODIED				SAL 1175 QI SAL-AMO-22-58

GT-2788A (10/98)

AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD
TURBINE ASSEMBLY

Rolls-Royce

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Turbine Serial Number CAT-90340 Engine Model 250-C30S

AD #	Applicable CEB #	Date / Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date / Next Comp. @ Hrs	Signature and Certificate Number
—	CEB-A-72-3266 R3	Sept 9/05 / 11707.3	Inspection of 4th Stg Turb. Wheel (P/N 23066744)				SAL 303 QI SAL-AMO-22-58
—	CSL-A-3066R5	Sept 9/05 / 11707.3	N1 Shafting Inspection				SAL 303 QI SAL-AMO-22-58
—	CSL-A-3087R1	Sept 9/05 / 11707.3	Inspection of Turb Spline Adapter Locknut				SAL 303 QI SAL-AMO-22-58
—	CEB72-3199R1	Sept 9/05 / 11707.3	Increased Capacity Oil Jumper O-Ring				SAL 303 QI SAL-AMO-22-58
—	CEB-A-72-3108R3	Sept 9/05 / 11707.3	Turb. Shafting Insp.				SAL 303 QI SAL-AMO-22-58
—	CEB-A-72-3268R1	Sept 9/05 / 11707.3	Inspection of 3rd Stg Wheel (P/N 6898663)				SAL 303 QI SAL-AMO-22-58
	CSL-A-3066R5	30 MAY 07 / 12501.6	N1 SHAFTING INSPECTION		X		SAL 661 QI SAL-AMO-22-58
	CSL-A-3087R1	30 MAY 07 / 12501.6	INSPECT SPLINE ADAPTER LOCKNUT TORQUE	X		N/A	SAL 661 QI SAL-AMO-22-58
	CEB72-3210	30 MAY 07 / 12501.6	#5 LAB SEAL SLIP JOINT REPLACEMENT	X		N/A	SAL 661 QI SAL-AMO-22-58

GT-2783D(9-84)

MODIFICATION RECORD
TURBINE ASSEMBLY

Part III
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rbine Serial Number CAT-90340 Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
July 2000	CSL 3068 R2	Allison assured engine.	ACRO AEROSPACE INC.	
July 2000	AD 96-19-01	N/A to bearings installed.	[signature]	
[illegible] 2002	CEB 72-3158 R4	#5 Lab Seal Install	SAL 501 Q.I.	SAL-AMO-22-58
[illegible] 2002	CEB 72-3202 R4	Inspect for proper clamping	SAL 501 Q.I.	SAL-AMO-22-58
[illegible] 2002	CSL A-3066 R5	N1 Shafting Inspection	SAL 501 Q.I.	SAL-AMO-22-58
[illegible] 2002	CSL A-3087 R1	Inspection of Turbine Spline Adapter locknut torque	SAL 501 Q.I.	SAL-AMO-22-58
0MAY03	AD 84-24-54R2,	86-20-13, 88-07-06, 96-19-01, CEB 72-3067R2,		
		72-307R1, 72-3146R1, 72-3165R1, 72-3168R2,		
		72-3169R2, 72-3188R2, 72-3202, 72-3219R2,		
		72-3238R1, 72-3252, FOUND EMBODIED	SAL 445 Q.I.	SAL-AMO-22-58
0MAY03	CEB 72-3259	RELEASE OF 3RD STAGE NOZZLES	SAL 445 Q.I.	SAL-AMO-22-58
[illegible] 25[illegible]	THE FOLLOWING CEB 72-3227 R2	WERE FOUND EMBODIED: AD 85-25-07 R1, 72-3245 R1, A-72-3115 R1, A-72-3136 R1.	SAL 305 QI	SAL-AMO-22-58
[illegible] 25[illegible]	CEB A-72-3266 R2	INSPECTION OF 4TH STG TURBINE WHEELS (P/N 23066744)	SAL 303 QI	SAL-AMO-22-58

GT-2783D(9-84)

MODIFICATION RECORD
TURBINE ASSEMBLY

Turbine Serial Number CAT-90340 Engine Model 250-C30S

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
6 April 1998	CEB 72-3196 R1	Authorization to reidentify semi-finished 2nd stage nozzles.		
6 April 1998	CEB 72-3207 R1	Replacement of 3rd stg. nozzle for improved performance.		
6 April 1998	CEB 72-3209 R2	Rework horizontal fireshield PN 23057784.		
6 April 1998	CSL A-3066 R4	N1 shafting position.		
6 April 1998	CSL 3068 R2	Allison assured engine.		
6 April 1998	AD 96-19-01	N/A to bearings installed.		
13 July 2000	CEB 72-3219 R2	Turbine assy.horizontal fireshield-modify.		ACRO AEROSPACE INC.
13 July 2000	CEB 72-3221	Gas producer turbine support-replace.		
13 July 2000	CEB 72-3238	Engine,turbine assembly-recoating of power turbine inner shaft.		
13 July 2000	CSL A-3066 R5	N1-shafting inspection.		

Inspection - Maintenance - Overhaul Record
TURBINE ASSEMBLY

Rolls-Roy

Part IV
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Turbine Serial Number CAT- 90340 Engine Model 250- C30S

Date	Turbine Time		Remarks	Signature and Certificate No.	Organizatio
	Since OH	Total			
Sept 14/05	1211.7	11707.3			
	CSO: 2966	CSN: 19446			

STANDARD AERO
www.standardaero.com

33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-788-2693

Turbine Assembly has been repaired for cycle expired 1st & 2nd stage turbine wheels and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 2nd Ed 11th Rev., dated April 1, 2005. The following major parts are replaced: 1st & 2nd stage turbine wheels and nozzles, bearing. The product is approved for return to service on a time continued basis. All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW542356.

SAL 303 QI

SAL-AMO-22-58

LORNA RICHARD

L Richard

F-2784D (8/99)

Inspection - Maintenance - Overhaul Record
Turbine Assembly

Rolls-Royce

Part IV
Page No. 8

Turbine Serial Number CAT- 90340 Engine Model 250- C30S

Date	Turbine Time Since OH	Turbine Time Total	Remarks	Signature and Certificate No.	Organization
30 MAY 07	0.0	12501.6			
	CSO: 0	CSN: 21376			
			STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693		
			Turbine Assembly p/n 23035128 s/n CAT90340 has been overhauled in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 13th Rev. Dated 01/04/07. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW593761. **Tie Bolt p/n 23008030 s/n NC81526 Free: 7.3775" Stretch: 7.3935"**	SAL 661 QI	
				SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT	
30 MAY 07	0.0	12501.6			
	CSO: 0	CSN: 21376			
			STANDARD AERO www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693		
			Turbine Assembly p/n 23035128 s/n CAT90340 has been installed into engine s/n CAE890210S and tested in accordance with Rolls Royce 250-C30 overhaul Manual 14W3 2nd Ed. 13th Rev. Dated 01/04/07. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW593755.	SAL 661 QI	
				SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT	

Inspection - Maintenance - Overhaul Record
TURBINE ASSEMBLY

Rolls-Royc

Part IV
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Turbine Serial Number CAT- 90340 Engine Model 250- C30S

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
27 May 2009	1106.2	13607.8			
	CSO: 2910	CSN: ~~24368 RP~~ 24286			

StandardAero
www.standardaero.com

33 Allen Dyne Road
Winnipeg, Manitoba
Canada R3H 1A1
Phone: 204-788-2693

Turbine Assembly p/n 23035128 has been repaired for low power, replaced expired 1st & 2nd stage wheels law Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 14th Rev. Dated 01/04/08. Major parts replaced: 1st & 2nd stage wheels, 2nd stage nozzle, coupling shafts, splined adapter, thermocouple. The product is released serviceable for return to service, on a time continued basis, subject to satisfactory functional test results following installation in the airframe. All pertinent details of work performed are on file at this organization under w/o LW741403.
Tie Bolt p/n 23008030 s/n NC81526 free: 7.3775" stretch: 7.3935"

SAL 303 01

L Richard

SAL-AMO-22-

F-2784D (8/99)

Inspection - Maintenance - Overhaul Record
Turbine Assembly

Rolls-Royce

Part IV
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Turbine Serial Number CAT- 90340 Engine Model 250- C30S

Date	Turbine Time Since OH	Turbine Time Total	Remarks	Signature and Certificate No.	Organization
11 JUN 09	1106.2 CSO: 2910	13607.8 CSN: 24286			SAL 661 QI
			StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-788-2693 Turbine Assembly p/n 23035128 s/n CAT-90340 has been installed onto engine s/n CAE-890210 & tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 15th Rev. Dated 01/04/09. **The product is released serviceable for return to service, on a time continued basis.** All pertinent details of work performed are on file at this organization under Work Order LW741400.		SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT
OCT 01 2013	0.0 CSO: 0	14861.3 CSN: 27088			SAL 1175 QI
			StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-318-7588 Turbine Assembly p/n 23035128 s/n CAT90340 has been overhauled in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 19th Rev. Dated 01/APR/13. The product is released serviceable for return to service. All pertinent details of the work performed are on file at this organization under Work Order LW261115. **Tie Bolt p/n 23008030 s/n NC81526 Free: 7.377" Stretch: 7.393"**		SAL-AMO-22-58 ROGER CERVANTES

2784D (8/99)

Inspection - Maintenance - Overhaul Record
Turbine Assembly

Rolls-Royce

Turbine Serial Number CAT-90340

Part IV
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Engine Model 250- C30S

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
24 OCT. 13	0.0	14861.3	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-318-7588 Turbine Assembly p/n 23035128 s/n CAT90340 has been installed onto engine s/n CAE890210 & tested iaw Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 19th Rev. Dated 01 Apr. 2013. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW261112.		SAL 667 QI SAL-AMO-22-58 Rebecca Perrault REBECCA PERRAULT
	CSO: 0	CSN: 27080			
APR 10 2015	61.4	14922.7	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-318-7588 Turbine Assembly p/n 23035128 s/n CAT90340 has had an external visual serviceability inspection in accordance with Rolls Royce 250-C30 Operation & Maintenance Manual 14W2 6th Ed. 21st Rev. Dated 15/NOV/14 and tested in accordance with Overhaul Manual 14W3 2nd Ed. 20th Rev. Dated 01/APR/14. **The product is released serviceable for return to service, on a time continued basis.** All pertinent details of the work performed are on file at this organization under Work Order LW261749.		SAL 1175 QI SAL-AMO #22-58 ROGER CERVANTES
	CSO: 218	CSN: 27298			

F-2784D (7/03)

Inspection - Maintenance - Overhaul Record
Turbine Assembly

Rolls-Royce

Part IV
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urbine Serial Number CAT- 90340

Engine Model 250- C30S

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			

2784D (7/03)

ASSEMBLY RECORD
TURBINE ASSEMBLY

Part V
Page No. 1

FORM 2785D-1 (4-79)

Turbine Serial Number CAT - 90340 Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	Turbine Total Time	This Item TT Cycles	REMOVED Date	Turbine Total Time	This Item TT Cycles	Reason
1ST STG. WHL.	6898911	X57867	7-30-80	0.0	0.0	30 OCT 82	826.8	826.8 837	O/H
2ND STG. WHL.	23004233	AD48724	"	0.0	0.0	"	"	826.8 837	"
3RD STG. WHL.	6898663	HX43965	"	0.0	0.0	"	"	826.8 837	"
4TH STG. WHL.	6892764	HX41449	"	0.0	0.0	"	"	826.8 837	"
1ST STG WHL	6898911	X 74063	15 OCT 82	826.8	0.0 0	31 MAY 83	1011.6	1845 150	CRACKED
2ND STG WHL	23004233	X J0665	"	"	0.0 0	16 JUL 84	2310.2 2112	1483.4 1285	
3RD STG WHL	6898663	HX 43965	"	"	826.8 827	17 OCT 86	3451.2 3576	3451.2 3576	
4TH STG WHL	6892764	HX 41449	"	"	826.8 827	17 OCT 86	3451.2 3576	3451.2 3576	
* 4TH STG NOZZLE	6898649	AER3733	31 MAY 83	1011.6	1011.6	WEB THICKNESS (UNLIMITED LIFE)		1088	

ASSEMBLY RECORD
TURBINE ASSEMBLY

ORM 2785D-1(4-79)

Turbine Serial Number CAT - 90340 Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Turbine Total Time	INSTALLED This Item T.T. Cycles	REMOVED Date	REMOVED Turbine Total Time	REMOVED This Item T.T. Cycles	Reason
1ST STG. WHL	6898911	X 76664	3 MAY 83	1011.6	0.0	15 [illegible] 84	2310.2	1298.6	
				0			2112	1135	
1st STAGE WHL	6898911	X81736	16 OCT 84	2310.2	0.0	17 OCT 86	3451.2	1141.0 1154	
				2112	0		3576	1464	
2nd STAGE WHL	23004233	HX 70930	16 OCT 84	2310.2	0.0	8 [illegible] 85	2645.4	335.2	
				2112	0		3556	444	
2nd STG WHL	23032280	HX 81893R	8 [illegible] 85	2645.4	0.0	17 OCT 86	3451.2	805.8	
				2556	0		3576	1020	
1ST STG WHL	6898911	X 89224	17 OCT 86	3451.2	0.0	10 NOV 89	4492.4	1041.2	
				3576	0		5117	1541	
2ND STG WHL	23032280	HX 82281R	17 OCT 86	3451.2	0.0	10 NOV 89	4492.4	1041.2	
				3576	0		5117	1541	
1ST STG WHL	6898663	HX 57746	17 OCT 86	3451.2	0.0	22 NOV 89	4492.4	1041.2	
				3576	0		5117	1541	
1ST STG WHL	6892764	HX 52555 OR 52549	17 OCT 86	3451.2	0.0	26-6-96	7075.4	3624.2	
				3576	0		9563	5987	Cycled out
1ST WHL	6898911	HX [illegible]	10 NOV 89	4492.4	0.0	19 5 93	5707.8	1215.4	T-X
				5117	0		7338	2221	

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ASSEMBLY RECORD
TURBINE ASSEMBLY

Part V
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Turbine Serial Number CAT-90340 Engine Model C30B

Nomenclature	Part Number	Serial Number	INSTALLED Date	Turbine Total Time	This Item Cycles	REMOVED Date	Turbine Total Time	This Item Cycles	Reason
2nd WHL	23032280	HX236[illegible]	16 [illegible] 89	44924	0.0		5707.8	1215.4	
				5117	0	19/5/93	7338	2221	T.X.
3RD WHL	6898663	HX[illegible]	16 [illegible] 89	44924	00		7637.8	3145.4	
				5117	0	15-12-97	11006	5889	TX
1st Stg. Wheel	6898911	X115525	20/7/93	5707.8	0.0		7075.4	1367.6	
				7338	0	26-6-96	9563	2225	Overhaul
2nd Stg. Wheel	23032280	X109037	20/7/93	5707.8	0.0		7075.4	1367.6	
				7338	0	26-6-96	9563	2225	Overhaul
Tiebolt	23008030	DJ54133	20/7/93	5707.8	SL =		7075.4	1367.6	
				7338	7.375	26-6-96	9563	2225	Overhaul
1st Stg.Whl.	23053299	X 139020	29-8-96	7075.4	0.0		7637.8	562.4	
					0	15-12-97	11006	1443	Overhaul
2nd Stg.Whl.	23032280	HX 123426	29-8-96	7075.4	0.0		7637.8	562.4	
					0	15-12-97	11006	1443	Overhaul
4th Stg.Whl.	6892764	HX 47811	29-8-96	7075.4	2735.9		7637.8	3298.3	
					4266	15-12-97	11006	5709	TX
Tiebolt	23008030	DJ 54133	29-8-96	7075.4	F/L = 7.3740		7637.8	NK	
						15-12-97	11006	NK	Overhaul

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ASSEMBLY RECORD
TURBINE ASSEMBLY

Part V
Page No: 4

Turbine Serial Number CAT-90340 Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	Turbine Total Time	This Item T.T. Cycles	REMOVED Date	Turbine Total Time	This Item T.T. Cycles	Reason
Stg. Whl.	23053299	X140443	6 Apr. 98	7637.8	0.0 0	15-5-00	9069.1	1431.3 2989	O/H - CYCLED OUT
Stg. Whl.	23032280	HX127428	6 Apr. 98	7637.8	0.0 0	15-5-00	9069.1	1431.3 2989	O/H - CYCLED OUT
Stg. Whl.	6898663	HX92232	6 Apr. 98	7637.8	0.0 0	20MAY03	10495.6	2857.8 5674	O/H
Stg. Whl.	23066744	HX74236	6 Apr. 98	7637.8	0.0 0	20MAY03	10495.6	2857.8 5674	O/H
eBolt	23008030	DJ54133	6 Apr. 98	7637.8	F/L= 7.374"	15MAY00	9069.1		O/H.
Stg. Wheel	23053299	X146570	13-7-00	9069.1	0.0 0	Nov 17/01	9829.2	766.1 1747	CYCLED
Stg. Wheel	23032280	HX128681	13-7-00	9069.1	0.0 0	Nov 17/01	9829.2	760.1 1747	CYCLED
RETBOLT	23008030	DJ54133	13Jul00	9069.1	FREELENGTH 7.3745"	20MAY03	10495.6		O/H

FORM 2785 D(FRONT)
REV. 12/70

ASSEMBLY RECORD
TURBINE ASSEMBLY

Turbine Serial Number CAT-90340 Engine Model 250-C30S

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Turbine Total Time	INSTALLED This Item T.T. Cycles	REMOVED Date	REMOVED Turbine Total Time	REMOVED This Item T.T. Cycles	Reason
1st Stage Wheel	23053299	XS12149	Jan 17/02	9829.2	0.0 -0-	20MAY03	10495.6	666.4 938	O/H
2nd Stage Wheel	23032280	HX16467	Jan 17/02	9829.2	926.5 1363	20MAY03	10495.6	1592.9 938	O/H
1st Stage Nozzle Shell	23073566	N/A	Jan 17/02	9829.2	0.0 -0-	20MAY03	10495.6		O/H
1ST STG WHL	23053299	X 152934	20MAY03	10495.6	0.0 0.0	25-07-05	11707.3	1211.7 2966	cycles
2ND STG WHL	23032280	X 519013	20MAY03	10495.6	0.0 0.0	25-07-05	11707.3	1211.7 2966	cycles
3RD STG WHL	6898663	X 514658	20MAY03	10495.6 (16430 cy)	0.0 0.0	19 APR 07	12501.6	2006 4696	O/H - cx
4TH STG WHL	23066744	X 504420	20MAY03	10495.6	0.0 0.0	25-07-25	11707.3	1211.7 2966	crack HU
CP TIE BOLT	23008030	NC 81526	FREE 7.3775 20MAY03	10495.6	0.0 0.0	19 APR 07	12501.6	F/E 7.3775	O/H
1ST NOZ SHLD	23073566	N/A	20MAY03	10495.6	1426.5 2685	19 APR 07	12501.6	3432.5 7381	O/H

RM 27850 (BACK)
V 12/70

ASSEMBLY RECORD
TURBINE ASSEMBLY

Part V
Page No. 6

Nomenclature	Part Number	Serial Number	INSTALLED Date	INSTALLED Turbine Total Time	INSTALLED This Item TT Cycles	REMOVED Date	REMOVED Turbine Total Time	REMOVED This Item TT Cycles	Reason
		X			0.0			794.3	
Stg Whl	23053299	543906	Sept 9/05	11707.3	0	19APR07	12501.6	1730	CX'D
		X			0.0			794.3	
Stg Whl	23032280	548813	Sept 9/05	11707.3	0	19APR07	12501.6	1730	CX'D
		X			0.0			794.3	CRACKED
Stg Whl	23066744	530685	Sept 9/05	11707.3	0	19APR07	12501.6	1730	INNER HUB
		X			0.0			1106.2	
Stg Wheel	23053299	566017	01 May 07	12501.6	0	21 Apr 09	13607.8	2910	TX/CX'd
		X			0.0			1106.2	
Stg Wheel	23032280	556535	01 May 07	12501.6	0	21 Apr 09	13607.8	2910	CX'd
		X			0.0			1106.2	
Stg Wheel	6898663	565353	01 May 07	12501.6	0	21 Apr 09	13607.8	2910	NDT Inspect
		X			0.0			1106.2	
Stg Wheel	23066744	559010	01 May 07	12501.6	0	21 Apr 09	13607.8	2910	Inspect
					F/E			N/A	
TIE BOLT	23008030	NC81526	1 May 07	12501.6	7.3775	21 Apr 09	13607.8	N/A	NDT Inspect
					2432.5			4538.7	
NOZ SHIELD	23073566	N/A	01 May 07	12501.6	7381	21 Apr 09	13607.8	10291	NDT MR open
USED		GK			0.0			1106.2	
AFTER	23076529	510262	01 May 07	12501.6	0	21 Apr 09	13607.8	2910	Corrosion

Rolls-Royce

LIFE LIMITED PART LOG CARD

LIFE LIMITED PART NAME 3RD STG. WHEEL			PART NUMBER 6898663					SERIAL NUMBER X619575
Date Installed	**Date Removed**	**Engine and Module S/N**	**Engine Model**	**Hours**	**Cycles**	**Overspeed Events* (as app)**	**Comments**	**Signature And Certificate #**
16SEP13	[redacted]	CAE890210		0.0	0		NEW	SAL-AMO-22
[redacted]		CAT90340	C30S					
	[redacted]							
[redacted]								
	[redacted]							
[redacted]								
	[redacted]							
[redacted]								
	[redacted]							
[redacted]								
	[redacted]							
[redacted]								

*For PT Wheel Overspeed Cycles, record event date and event maximum % no the Comments Line.

*This card should accompnay the part when removed from engine or module.

GT-12017 (4-05)

Rolls-Royce

LIFE LIMITED PART LOG CARD

LIFE LIMITED PART NAME 4TH STG WHEEL			PART NUMBER 23066744				SERIAL NUMBER X620502	
Date Installed	**Date Removed**	**Engine and Module S/N**	**Engine Model**	**Hours**	**Cycles**	**Overspeed Events* (as app)**	**Comments**	**Signature And Certificate #**
16 SEP 13		CAE890210 CAT90340	C30$	0.0	0		NEW	

*For PT Wheel Overspeed Cycles, record event date and event maximum % no the Comments Line.

*This card should accompnay the part when removed from engine or module.

GT-12017 (4-05)

FORM 9386-1(4-79)

CYCLE RECORD
TURBINE ASSEMBLY

(Refer to Life Limiting CSL)

Part VI
Page No.___

Turbine Serial Number CAT - 90340 Engine Model 250-C30S

Installed					Removed		
Date	Owner	Eng S/N	Cycle Counter Reading	Do Not Exceed Cycle Counter Reading	Date	Cycle Counter Reading	Cycles Ti[illegible] Installati[illegible]
7-30-80	OKANAGAN	890332	0	3000	07/07/82	827	827
15 Oct 83	OKANAGAN	890332	827	3802	05/02/83	977	150
31 May 83	OKANAGAN	890332	977	4210	JUL 29 84	2112	1135
16 07 84	OKAN (GIMN)	890332S	0	3000	10 MAY 84	61	61
20 JUL 84	OKAN (GIML)	890332S	61	3000		444	383 / CSN-25[illegible] CSO-4[illegible]
13 JUL 85	OKAN GIMO	890332S	444	3000	24 JUL 85	1464	1020 / CSN 35[illegible] CSO 14[illegible]
9 JUN 87	OKAN GIML	890053S	~~1464~~ 1553	CYC REM 3000 3000	5 FEB 87	1658	105 / CSN 368[illegible] CSO 105
25 NOV 87	OKAN GIMT	8900535	1658	CYC REM 2895 4553	27.04.89	3094	1436 CSN 51[illegible] CSO 154[illegible]
~~12.11.89~~	~~CHL 7434.6 GIM[illegible]~~	~~8901745~~	~~1841~~	CYC REM 3000 4841	~~26.4.93~~	~~4062~~ entered in error	~~2221~~ error CSN 733[illegible] CSO 57[illegible]
12.11.89	CHL 7934.6 GIMI	8901745	1841	CYC REM: 3000 4841	26/4/93	4062	2221 / CSN:73[illegible]
31.7.93	CHL GIMV #1	8901745	4062	cyc rem: 2238 6300	20 NOV 96	6287	2225 / CSN 95[illegible]
28 JAN 97	CHE CGIMB #1	8904505	5142	cyc rem: 1554 6696	17 NOV 97	6585	1443 / 1120[illegible]

Cycle Record
Turbine Assembly

Rolls-Royce

Part VI
Page No. 3

Turbine Serial Number CAT-903410 Engine Model 250-C20B

Aircraft S/N / Engine S/N	Installed: Date	Installed: Turbine TT	Installed: Cycle Count / Current Cycles / Cycle Limit	Installed: Engine Cycles at Installation	Removed: Date	Removed: Turbine TT	Removed: Cycle Count / Current Cycles / Cycle Limit	Removed: Engine Cycles at Removal
CAE890210	22oct13	14801.3	CSN: 27080 CSO: 0 CSI: 27080	24499	3MAR15	14922.7	CSN: 27208 CSO: 218	24717
CAE890210	10MAR15	14922.7	CSN: 27298 CSO: 218	24717				

F-9386 (12/985)

Assembly Record
Turbine Assembly

Rolls-Royce

Part V
Page No. 7

Turbine Serial Number CAT- 90340 Engine Model 250- C30S

Nomenclature	Part Number / Serial Number	Installed			Removed		
		Date	Turbine TT Cycles	Component TT Cycles	Date	Turbine TT Cycles	Component TT Cycles
N² CFLG SHAFT	6889069 / 336075	01 MAY 07	12501.6 / 21376	0.0 / 0	21 Apr 09	13607.8 / 24286	1106.2 / 2910
1st Stg Wheel	23053299 / X588613	27 May 09	13607.8 / 24286	0.0 / 0	11 JUL 13	14861.3 / 27080	1253.5 / 2794
2nd Stg Wheel	23032280 / X569547	27 May 09	13607.8 / 24286	0.0 / 0	11 JUL 13	14861.3 / 27080	1253.5 / 2794
3rd Stg Wheel	6878663 / X565353	27 May 09	13607.8 / 24286	1106.2 / 2910	11 JUL 13	14861.3 / 27080	2359.7 / 5686.5
4th Stg Wheel	23016744 / X559010	27 May 09	13607.8 / 24286	1106.2 / 2910	11 JUL 13	14861.3 / 27080	2359.7 / 5686.5
1st Stg Nozzle Shield	23073566 / SL 14179A	27 May 09	13607.8 / 24286	4538.7 / 16291	11 JUL 13	14861.3 / 27080	5792.2 / 13906.5
Tie Bolt	23008030 / NC81526	27 May 09	13607.8 / 24286	F/E / 7.3935	11 JUL 13	14861.3 / 27080	F/E / 7.377
Splined Adapter	23076529 / GK523627	27 May 09	13607.8 / 24286	0.0 / 0	11 JUL 13	14861.3 / 27080	1253.5 / 2794
Coupling Shaft	6889069 / GK523131	27 May 09	13607.8 / 24286	0.0 / 0	11 JUL 13	14861.3 / 27080	1253.5 / 2794
1ST STAGE NOZZLE SHIELD	23073566 / SL 14179A	16 SEP 13	14861.3 / ~~27080~~ RP 27080	TSO / 0			

F-2785D (12/98)

Assembly Record
Turbine Assembly

Rolls-Royce

Part V
Page No. 8

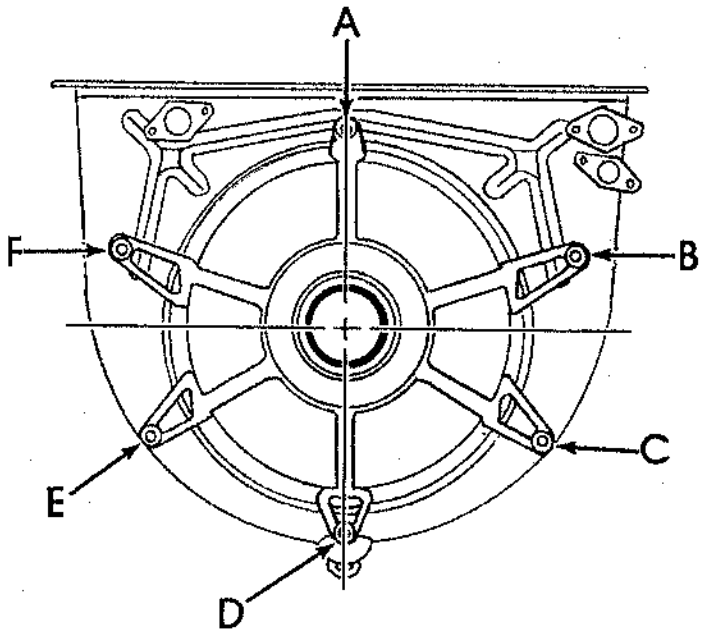
Turbine Serial Number CAT- 90340 Engine Model 250- C30S

Nomenclature	Part Number / Serial Number	Installed Date	Installed Turbine TT Cycles	Installed Component TT Cycles	Removed Date	Removed Turbine TT Cycles	Removed Component TT Cycles
	M250-10227		14861.3	0.0			
1ST STG WHEEL	X612859	16 SEP 13	2708Q	0			
	M250-10658		14861.3	0.0			
2ND STG WHEEL	X617292	16 SEP 13	2708Q	0			
	6898663		14861.3	0.0			
3RD STG WHEEL	X619575	16 SEP 13	2708Q	0			
	2306674		14861.3	0.0			
4TH STG WHEEL	X620502	16 SEP 13	2708Q	0			
	2305803D		14861.3	F/L=			
TIE BOLT	NC-815-20	16 SEP 13	2708Q	7.377"			

785D (12/98)

ROLLS-ROYCE 250 SERIES III & IV SHIM NOTICE

StandardAero



EXHAUST COLLECTOR

Shim Position	Total Shim Thickness
A	.000
B	.002
C	.000
D	.000
E	.000
F	.000

Date	OCT 0 1 2013
SAL W/O	LN261115
Turbine S/N	CAT90340

NOTE: Mount positions established as viewed from aft of engine.

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Rolls-Royce

Part II

Nomenclature FUEL CONTROL

Page No. 1

Component serial number 325447

Engine Model 250- C30

Note 1: Record AD & CEB Compliance and Transfer Information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time Since OH	Accy. Time Total	Remarks	Signature and Certificate No.
JL 03 2003	23070613	0.0	UNK	The product has been repaired and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 8 Dated 11/01/01. The product is approved for return to service. All pertinent details of the work are on file at this organization under Work Order: LW443285	SAL 445 QI SAL-AMO #22-03
	23070613	91.7	UNK	CEB-A-73-3075 R1 - Fuel Control By-Pass Cover Screw Inspection	SAL 501 QI SAL-AMO-22-03
EP 21 2006	23070613 (2524092.7)	1319.3	UNK	The product has been repaired and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/Jun/04. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: LW624298	SAL 341 QI SAL-AMO #22-03
				CEB-A-73-3075R1 : EMBODIED	

GT-11778(B)

StandardAero

Service Accessory Record

Rolls-Royce

Part I

Nomenclature FUEL CONTROL UNIT **Page No.** 4

Component Serial Number 325447 **Engine Model 250-** C30S

Installed					Removed				
Date	Engine S/N	Engine TT	Accessory Time		Date	Engine TT	Accessory Time		Reason
			Since OH	Total			Since OH	Total	
14DEC15	CAE 890345	13223.4	569.0	5605.0	09 APR 2016	13223.4	569.0	5605.0	
13APR 2016	CAE 890210S	13553.47	569.0	5605.0					

GT-11778(F) 7/03

nspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Rolls-Royce

Part II

Nomenclature FUEL CONTROL UNIT Page No. 2

Component serial number 325447 Engine Model 250- C30

Note 1: Record AD & CEB compliance and transfer information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time Since OH	Accy. Time Total	Remarks	Signature and Certificate No.
N 2 4 2009	23070613 (2549092-7)	0.0	UNK	The product has been repaired and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24909 Edition 1 Revision 7 Dated 15/Jun/04. This product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: L241943 CEB A-73-3075R1 : EMBODIED - P0520883	Ray Janzen SAL-AMO #22-58 SAL 858 QI

ST-11778 (B) 5/00

Service Accessory Record

Rolls-Royce

Nomenclature FUEL CONTROL UNIT

Part I
Page No. 3

Component serial number 325447

Engine Model 250- C30

Installed					Removed			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
3 Aug 10	CAE-900192		0.0	UNK	5 Aug 10	0.1	u/k	update/reinstalled original Stagger
22 Sept 2011	CAE-890238		0.1	UK	20 k 24 Nov 2014		5561.95	TROUBLESHOOTING
~~14 DEC 2015~~	~~CAE 8103145~~		~~569.0~~	~~5605.0~~	~~09 APR 2016~~	~~569.0~~	~~5605.0~~	~~TRANSFER~~ EIE
13 APR 2016	CAE 8102105		569.0	5605.0				EIE
					NEW LOG CARD			

GT-11778(F) 5/00

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Rolls-Royce

Part II

Nomenclature Fuel Control **Page No.** 1

Component serial number 325447 **Engine Model** 250-C30

Note 1: Record AD & CEB Compliance and Transfer Information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time Since OH	Accy. Time Total	Remarks	Signature and Certificate No.
AUG 11 2000	23065147	1073.4	N/K	Tested + Recalibrated to Service Limits I.A.W. 14W3 Vol 2 Rev 6. Acco W/O# 20-3086	231-91 SCA A-3
APR 17 2003	25497626 23070613	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 8 Dated 11/01/01. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: L443615. CEB A-73-3075R1,CEB 73-3100R1,CEB 73-3106R1: EMBODIED. PO 513655	S.A.L. 341 Q.I. SAL-AMO #22-66

GT-11778(B)

Service Accessory Record

Rolls-Royce

Nomenclature FUEL CONTROL

Part I

Page No. 2

Component serial number 325447

P/N 2649092-6

Engine Model 250- C30

INSTALLED					REMOVED			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
24 SEPT 03 MF12755.7 AUG 1, 2003	#2 CAE 890154S	760005 CGIMV	0.0.	UNK	MF12847.4 03 JAN 04	91.7	U/K	W/ENG CAE 890154S
MF 15087.7 31 JAN 04 Jan 23, 2009	#2 CAE 890154S	760168 CFSBH	91.7	UNK	MF 15365.0 10 SEP 04	369.0	U/K	W/ENG CAE-890154S
A/P 15517.9 1 JAN 05 NOV 3, 2004	#1 CAE 890154S	760168 CFSBH	369.0	UNK	AIF 16468.2 03 AUG 06	1319.3	U/K	W/ENG CAE 890154S
AIF 9917.6 23 OCT 06 12 OCT. 06	#2 CAE8901545	760138 CGFFS	1319.3	UNK	06 AUG 07	1894.3	U/K	With Engine
01 OCT. 07	CAE8904175	~~CFMHC~~	1894.3	UNK.	24 May 2009	2499.0	U/K	Timed
			SEE PAGE 2					

Service Accessory Record

Rolls-Royce

Nomenclature Fuel Control

Part I

Page No. 1

Component serial number 325447 P/N 2549092-6

Engine Model 250-C30

INSTALLED					REMOVED			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
MF9010-3 22NOV00	?	CGIMN	1073.4	N/K	MF9392-6 05JUL01	1455.7	U/K	TROUBLESHOOTING COMPRESSOR STALL
MF10116-6 29NOV01	1 CAE-890238	CGIMN	1455.7	N/K	MF10317-4 17MAR02	1656.5	U/K	ALONG CAE-890238
MF10317-4 17MAR02	?	CGIMN	1656.5	N/K	MF11187-9 07MAR03	2537.0	U/K	U/TSC 2003-057 DUE TO FOD
19MAR03	1 CAE-890332	—	0.0	UNK	19MAR03	0.0	U/K	LEAKING

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Rolls-Royce

Part II

Nomenclature COMBUSTION LINER Page No. 1

Component [redacted] TRACKING # SL13497A Engine Model 250- C30

Note 1: Record AD & CEB compliance and transfer information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy.Time Since OH	Accy.Time Total	Remarks	Signature and Certificate No.
25aug2011	23066675	NEW 544.5 RP	544.5	Repaired by Aerojet Turbine W/O 13663	Transcribed for Illumy TCCA AMO 142-96 * AIR 1
25aug2011	23066675	NEW 544.5 RP	544.5	Received on CHL P/O 530580	1552
30 JULY 13	23066675	NEW	736.2	StandardAero www.standardaero.com 33 Allen Dyne Road Winnipeg, Manitoba Canada R3H 1A1 Phone: 204-318-7588 Combustion Liner p/n 23066675 Tracking # SL13497A has been repaired for cracks & NDT inspected iaw Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 19th Rev. Dated 01 Apr. 2013. **The product is released serviceable for return to service.** All pertinent details of work performed are on file at this organization under Work Order LW261066.	SAL 661 QI SAL-AMO-22-58 R.Perrault REBECCA PERRAULT

GT-11778 (B) 5/00

Service Accessory Record

Rolls-Royce

Nomenclature Combustion Liner

Part I
Page No. 1

Component TRACKING # [redacted] SL13497A

Engine Model 250-

Installed					Removed			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
28Sept11	CAE-890511$	/	NEW ~~544.5~~ RP	544.5	10 OCT 17	~~736.2~~ NEW	~~736.2~~ 544.5	TRANSFER
29 JULY 13	CAE8901975		NEW	736.2	13 MAR 15	NEW	868.6	TRANSFER
10 APR 15	CAE890210		NEW	868.6				

GT-11778(F) 5/00

StandardAero

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Rolls-Royce

Part II

Nomenclature FUEL CONTROL UNIT **Page No.** 1

Component Serial Number 325447 **Engine Model 250-** C30S

Note 1: Record AD & CED compliance and transfer information in "Remarks" section.

Note 2: This card must accompany accessory at removal.

Date	P/N	Accessory Time		Remarks	Signature and Certificate No.
		Since OH	Total		

GT-11778(B) 7/03

Installed Parts & Tasks Report

Root Part#/Serial# : 23005290 / CAE-890345 **Times :** 13223:37 H **Cycles :** -

Part#/ Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part# / Root Serial # Root Position Code	Since New Since Overhaul	Task # Task Description Maintenance Type	Interval	Remaining
6896810 / T0018 FUEL PUMP ASSY 731010	1.5 09/13/2012 23005290 / CAE-890345 -	5861.47 H	OH-RR-FP1 Fuel Pump (Argo Tech or TRW) Overhaul Overhaul	- 3000.00 H	- 409.33 H
23077067 / 1XN0222 FUEL NOZZLE 731040	1.6 10/21/2014 23005290 / CAE-890345 -	218.17 H	MC-RR-0300-01 Fuel Nozzle Filter Inspection Inspection	- 300.00 H	- 300.00 H
23077067 / 1XN0222 FUEL NOZZLE 731040	1.6 10/21/2014 23005290 / CAE-890345 -	218.17 H	OH-RR-FNZ Fuel Nozzle Overhaul Overhaul	- 2000.00 H	- 1781.83 H
23070613 / 325447 FUEL CONTROL UNIT 732010	1.7 11/20/2014 23005290 / CAE-890345 -	5605.03 H	MC-RR-2000-04 FCU Filter Inspection Inspection	- 2000.00 H	- 1430.97 H
23070613 / 325447 FUEL CONTROL UNIT 732010	1.7 11/20/2014 23005290 / CAE-890345 -	5605.03 H	OH-RR-FCU2 Fuel Control (Bendix Model DP--V1) Overhaul Overhaul	- 2500.00 H	- 1930.97 H

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Rolls-Royce

Part II

Nomenclature PT GOVERNOR; BENDIX Page No. 1

Component serial number BR45532 Engine Model 250- C30, C30$

Note 1: Record AD & CEB compliance and transfer information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time Since OH	Accy. Time Total	Remarks	Signature and Certificate No.
3 Dec 04	2549172-1	N/A	0	Rec'd NEW CHL PO 138789 P/S 04HD2132	JC 165-93-1018
MAY 15 2007	23076063 (2549172-1)	N/P	1194.9	The product has been repaired and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/Jun/04. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: L655744. PO = 521767	SAL 341 QI SAL-AMO #22-58
DEC 19 2008	23086751 (2549172-2)	0.0	1991.5	The product has been overhauled and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/Jun/04. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: L726507 CEB 73-3126R2: EMBODIED.	Ray Jarzyna SAL-AMO #22-58 SAL 638 QI
~~20 DEC~~					
20 JAN 09	23086751	0.0	1991.5	Rec'd O/H CHL PO = 525548 P/S = L726507	A. Willis 165-93-282

F-11778 (B) 5/00

Service Accessory Record

Rolls-Royce

Nomenclature FUEL PUMP

Part I
Page No. 2

Component serial number T0018

Engine Model 250-C30

Installed					Removed			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
22 April 2008	CAE-890450		3058.	3776.6	22 Apr 2008	505.8	3776.6	Leak
29 JUN 08	CAE-890197		505.8	3776.6	26 June 2011	2156.3 ~~5427.1~~	5427.1	Trouble
30 dec 2014	CAE-890345		2156.3	5427.1	09 APR 2016 ~~25~~	2590.67	5861.47	TSP TO CAE-890210
09 APR 2016	CAE-890210		2590.67	5861.47				

GT-11778(F) 5/00

nspection - Maintenance - Overhaul - Transfer - \D/CEB Compliance Record Accessory

Part II

Rolls-Royce

lomenclature BLEED VALVE

Page No. 1

omponent serial number FF 30423

Engine Model 250- C30

ote 1: Record AD & CEB compliance and transfer information in "Remarks" section.
ote 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time Since OH	Accy. Time Total	Remarks	Signature and Certificate No.
R 1 1 2004	23073353	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 9 Dated 01/Mar/03. The product is approved for return to service. All pertinent details of the work are on file at this organization under Work Order: LW468740 ON CHL PO 135574 CEB TS-3024: EMBODIED.	[signature] SAL 341 QI SAL-AMO #22-58
1 1 0 2006	23073353	838.7	UNK	The product has been repaired and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 11 Dated 01/04/05. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: LW592611	[signature] SAL-AMO #22-58 SAL 858 QI
R 2 0 2007	23073353	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 12 Dated 01/04/06. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: L656054. PO# 521907.	[signature] SAL 341 QI SAL-AMO #22-58
AY 0 1 2007	O/H	RECEIVED ON CHL P/O# 521907			[signature] 13B

-11778 (B) 5/00

Service Accessory Record

Rolls-Royce

Nomenclature FUEL PUMP

Part I
Page No. 1

Component serial number T0018

Engine Model 250- C30

Installed					Removed			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
02 Cum 2007	CAE-890450	760005 C-GIMV	0.0	UNK				

GT-11778(F) 5/00

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Part II

Rolls-Royce

Nomenclature BLEED VALVE Page No. 2

Component serial number FF30423 Engine Model 250- C30

Note 1: Record AD & CEB compliance and transfer information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time Since OH	Accy. Time Total	Remarks	Signature and Certificate No.
SEP 25 2009	23073353	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 15 Dated 01/04/09. The product is approved for return to service. All pertinent details of the work are on file in this organization under W/O: L759727. Po 527488	SAL 341 QI SAL-AMO #22-58
JUL 11 2013	23073353	886.4	Unk.	The product has been repaired and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 19 Dated 01/04/13. The product is approved for return to service. All pertinent details of the work are on file in this organization under W/O: L W261112.	SAL 1221 QI April Scrapneck SAL-AMO #22-58 April Scrapneck

F-11778 (B) 5/00

Service Accessory Record

Rolls-Royce

Nomenclature FUEL NOZZLE

Part I
Page No. 1

Component serial number 1ZJ09850

Engine Model 250-C30

Installed					Removed			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
A/E 14534.2 20JUL06	#1 CAE-890210$	760005 C GIMV	0.0	UNK	30MAR07	248.1	U/K	W/ENGINE CAE-890210$
5 Jul 07 23 MAY 07	CAE890210$	760226 C-GIMW	248.1	UNK	20 APR 09	1354.3	Unk	Blown seal
10 JUN 09	CAE-890210		0.0	UNK	July 10/13	1253.5	Unk	repair
22 OCT. 13	CAE890210		0.0	Unk				

GT-11778(F) 5/00

AMC Standard Aero UK

TBO EXTENSION RECORD

Please ensure this unit is handled as a TBO example at the end of the extended TBO period.

This log book page must always accompany the unit being returned to an overhaul facility.

Part I: To Be Completed by AMC

CUSTOMER NAME Canadian Helicopters Limited

ENGINE MODEL 250 - C30S PART NAME Fuel Pump

P/N 6896810 SN 70350

EXTENSION:

INST'D ON ENG SN CAE890381S TSN OR TSO 90522 AT EXTENSION

DATE OF EXTENSION: DAY/MO/YR 18 Feb 2008

Authorization Letter Number 98003 (Attach copy)

Part Time at Extension 2967.0 Extended To 3500.0

Part II: To Be Completed by Customer at Time of Part Removal.

Did Part Reach Limit of Extension? Yes or No

Part TSN/TSO

Date Part Removed: DAY/MO/YR

Engine S/N Only if Part Location Has Been Changed to Another Engine.

Basic Cause for Removal If Other Than Time Expiration.

TBO EXTENSION RECORD

NOTE: The holder of this card must notify the AMC 30 days in advance of TBO extension completion.

The AMC will then notify Allison Engine Company for possible return of unit for examination.

Failure to comply with this requirement will disqualify the operator for future TBO extension requests.

This log book page must accompany the unit being returned to an overhaul facility

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Rolls-Royce

Part II

Nomenclature FUEL NOZZLE Page No. 1

Component serial number IZJ03850 Engine Model 250- C30

Note 1: Record AD & CEB compliance and transfer information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time Since OH	Accy. Time Total	Remarks	Signature and Certificate No.
MAR 16 2006	23077067	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 11 Dated 01/04/05. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: L593415	SAL 341 QI
			AD 2004-24-09, CEB A-73-3118R1 : ENDORSED.		SAL-AMO #22-58
JUN 06 2006	23077067	0.0	UNK	CHL P/O #150700	1552
APR 29 2007	23077067	248.1	UNK	The product has been repaired and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 12 Dated 01/04/06. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: LW593755.	SAL 341 QI SAL-AMO #22-58
APR 24 2009	23077067	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 14 Dated 01/04/08. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: LW741400.	SAL 341 QI
					SAL-AMO #22-58
JUL 16 2013	23077067	0.0	Unk	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 19 Dated 01/04/13. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: LW261112.	SAL 1221 QI April Scrapneck SAL-AMO #22-58

Service Accessory Record

Rolls-Royc

Nomenclature BLEED VALVE

Component serial number FF30423

Part I
Page No. 2

Engine Model 250-C30

Installed					Removed			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
23AUG07	CAE-900192		171.0	U/K	04 NOV 07	330.6	U/K	with engine
8 JAN. 08	CAE900192		330.6	UNK.	26 Sept 2009	1508.5	U/K	with TOL Timer
13 Nov 2009	CAE-890210		0.0	UNK	July 10, 2013	886.4	Unk	repair
22 OCT. 13	CAE890210		886.4	Unk				

GT-11778(F) 5/00

Service Accessory Record

Rolls-Royce

Nomenclature BLEED VALVE

Part I
Page No. 1

Component serial number FF 80423

Engine Model 250-C30

Installed					Removed			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
A/F 7692.4 MAR 31 2004 25APR04	#2 CAE890756$	760169 CGIMZ	0.0	UNK	A/F 7768.8 09JUN04	76.4	u/k	FOR TROUBLESHOOTING
A/F 10297.7 25AUG04	#1 CAE 890807$	760018 CGIMA	76.4	u/k	A/F 10497.7 05MAY05	276.4	u/k	W/ENG CAE-890807$
A/F 11718.3 12MAY05	#1 CAE-890807$	760079 CGIMR	276.4	u/k	A/F 12220.6 10DEC05	838.7	N/K	W/ENGINE CAE-890807$
A/F 11429.7 17FEB06 Feb9/06	#1 CAE890807$	760111 CGIMB	838.7	UNK	AF 11548.2 05MAY06	957.2	u/k	W/ENG CAE-890807$
AF 8162.1 05MAY06	#2 CAE-890807$	760112 CGIMW	957.2	u/k	15 Mar 07	1447.4	U/K	Timex
22JUN07	#2 CAE-890417$	760271 CFABH	0.0	UNK	28 AUG. 07	171.0	u/k	EXCHANGE

GT-11778(F) 5/00

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Rolls-Royce

Part II

Nomenclature FUEL PUMP Page No. 1

Component serial number T0018 Engine Model 250- C30

Note 1: Record AD & CEB compliance and transfer information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time		Remarks	Signature and Certificate No.
		Since OH	Total		
JL 06 2006	6896810	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/Jun/04. This product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: L623432	Ray Jonzon SAL 858 QI SAL-AMO #22-58
	(394400-1)				
12 March 2007	6896810	0.0	UNK	Reld on CRL P/O 155813	165-95-1552

RT-11778 (E) 5/00

Service Accessory Record

Rolls-Royce

Nomenclature PT GOVERNOR; BENDIX

Part I
Page No. 1

Component serial number BR45532
P/N 2549172-1 MB C0502

Engine Model 250- C30, C30S

Installed					Removed			
Date	Engine S/N	A/C S/N / Reg. #	Accy. Time Since OH	Accy. Time Total	Date	Accy. Time Since OH	Accy. Time Total	Reason
A/F 15390.3 07FEB05	#1 CAE-890518S	760130 CGIMT	NA	∅	A/F 15664.5 31MAY05	NA	274.2	TROUBLESHOOT
A/F 22093.0 31 MAY05	#1 CAE-890174S	760241 CFABH	NA	274.2	AF 22816.1 19MAY06	N/A	997.3	W/ENG CAE-890174S
A/F 16949.4 11OCT06 17 AUG.06	#1 CAE890174S	760130 CGIMT	NEW	997.3	21 feb 07	N/A	1194.9	TQ split Governor Honeywell
17JUL07	CAE-890450S	S76A GIMV	N/P	1194.9	21oct08	N/P	1991.5	TIMEX
20 July 2009	CAE-890210	X	0.0	1991.5				

GT-11778(F) 5/00

nspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Part II

Rolls-Royce

omenclature FUEL PUMP Page No. 2

omponent serial number T0018 Engine Model 250-C30

ote 1: Record AD & CEB compliance and transfer information in "Remarks" section.
ote 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time Since OH	Accy. Time Total	Remarks	Signature and Certificate No.
R 0 1 2008	6896810	505.8	3776.6	The product has been repaired and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/Jun/04. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: 1 697 916	SAL 361 QI
	(3914400-1)			ONCAL P/N# 524042(CP150)	SAL-AMO #22-53

StandardAero

Rolls-Royce

Engine Test Results

Model 250-C30SE

Customer: ORNGE AIR *** CAD FUNDS
Date: 22-Oct-13
TCN: LW261112
Shop Order: NT95J
Run No.: 1

Engine S/N: CAE890210
Comp S/N: CAC90104
Turbine S/N: CAT90340
Gearbox S/N: CAG90615
RGB S/N: N/A

Engine performance data corrected to sea level, static (unity ram) standard day

Setting	CRC	CRB	CRA	NCR	TO	2.5 MIN
GPTOT				1240.0	1317.0	1371.0
SHP				584	680	747
Min Allow	334	418	501	557	650	700
% Var				**4.9%**	**4.6%**	**6.7%**
SFC	0.694	0.637	0.602	0.578	0.559	0.550
Max Allow	0.719	0.665	0.624	0.607	0.592	0.588
% Var	**-3.5%**	**-4.1%**	**-3.5%**	**-4.8%**	**-5.5%**	**-6.4%**
T/M Calibration at 700 HP = 98.4 PSIG						

Seal Vent Orifice= -4

I hereby certify that the engine identified above has been tested in accordance with Rolls-Royce overhaul manual 14W3 ED2 REV19 01 APRIL 2013 for the specified workscope.

SAL 661 QI

Rebecca Perrault

 WO: LW261112

SCHEDULED INSPECTIONS IAW 14W2 ED:6 REV: 19 DATED: NOV 15, 2012

Owner: ORNGE AIR	Date: OCT 2 3 2013
Model: C30G	
Eng S/N: CAE890210	TSN: 13480.2 TSO: 11859.7

CAUTION: BEFORE UNDERTAKING ANY INSPECTION OR MAINTENANCE ACTION CONSULT THE REFERENCED PARAGRAPHS OF THE OPERATION AND MAINTENANCE MANUAL. FAILURE TO FOLLOW THE RECOMMENDED INSTRUCTIONS IN THE MANUAL COULD RESULT IN EQUIPMENT DAMAGE OR DESTRUCTION, POSSIBLY RESULTING IN PERSONNEL DEATH OR INJURY.

Item	Inspection/Maintenance Action	REF PARA	Initial
	150 Hour Inspection		
1	Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage.	N/A	SAL 504 DE
2	Check B--nuts for presence and alignment of torque stripes. B--nuts with missing torque stripes must be loosened and retightened, before application of new torque stripes.	N/A	SAL 504 DE
3	Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check fuel control lever for freedom of operation and full travel. Check condition and security of all linkages.	73--00--00, para 2.A.	n/a
4	Inspect the engine mounts for condition and security.	N/A	
5	Perform a detailed visual inspection of the outer combustion case. Using a bright light (flashlight or equivalent), inspect all weld areas for cracks. Outer combustion cases without brazed reinforcement wire patches, comply with inspection requirements of 250 CEB--A--72--3115.	72--40--00, para 2.B.(1)	
6	Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.	N/A	

WO: LW261112

150 Hour Inspection (cont)

	CAUTION: NORMAL ENGINES USE A MINIMAL AMOUNT OF OIL. HOWEVER, ANY SUDDEN INCREASE IN OIL CONSUMPTION IS INDICATIVE OF OIL SYS TEM PROBLEMS AND MUST BE CORRECTED.		
7	Check oil supply level. If the engine has been idle for more than 15 minutes, motor the engine for 30 seconds to scavenge any oil that may have drained into the gearbox from the oil tank. Failure to completely scavenge the oil from the gearbox will cause a false indication of high oi	72--00--00, Table 101 Trouble--shooting, items 17 and 18.	N/A
	NOTE: Check oil supply level within 15 minutes of engine shutdown.		
8	Inspect for extension of impending oil filter bypass indicator. If indicator is extended, clean oil filter. It is possible for the impending oil filter bypass indicator to extend during a start of a cold soaked engine, giving an erroneous indication of a dirty oil filter. If the impending filter bypass indicator is extended, run the engine until the oil is at operating temperature and push the indicator button in. If the button remains in throughout the normal speed range of the engine, the filter does not require cleaning.	72--60--00, PARA 1.C.	
	CAUTION: WHEN THERE IS EVIDENCE THAT THE AIRFRAME OR ENGINE FUEL FILTER HAS BEEN BYPASSED, THE GAS PRODUCER FUEL CONTROL INLET FILTER, THE FUEL NOZZLE FILTER, MUST BE CLEANED. (REFER TO SPECIAL INSPECTIONS, 72--00--00, TABLE 607) IF ANY CONTAMINATION IS FOUND IN THE FUEL NOZZLE FILTER, THIS WILL REQUIRE THAT THE FUEL CONTROL BE SENT TO AN AUTHORIZED REPAIR FACILITY FOR INTERNAL CLEANING. REFERENCE MUST ALSO BE MADE TO THE AIRFRAME MAINTENANCE MANUAL FOR FUEL SYSTEM MAINTENANCE FOLLOWING FUEL CONTAMINATION.		
9	Inspect for extension of impending fuel filter bypass indicator. If indicator is extended, replace fuel filter.	73--10--05, PARA 2.	
10	Inspect fuel filter in the fuel control and the filter in the fuel nozzle. Ground run engine to assure proper operation of control system.	73--20--02, PARA 5.A.	
11	Clean and inspect the fuel nozzle. If no airframe mounted fuel filter is installed, inspect the fuel nozzle filter. Install fuel nozzle with proper number of spacers.	73--10--03	
12	Record component changes, inspections, and compliance with technical instructions as required. Report engine difficulties to Rolls--Royce and/or Authorized Maintenance Center (AMC) on Model 250 report, Form 8117--1 (Rev. 5--94) as required.	N/A	SAL 661 QI
13	Without disassembly, check the compressor discharge air tubes. Inspect for air leaks, dents, cracks, chafing, and proper clamping.	72--40--00, Table 203.	

WO: LW261112

	150 HOUR INSPECTION (cont)		
14	Clean the burner drain valve. Ensure that the airframe overboard is clear. Refer to aircraft manual for maintenance procedures.	72--40--00, PARA 3.	
15	Inspect the anti--icing, bleed air, and overspeed solenoid valves for loose, chafed, frayed or broken wires, loose connections and security of attachment.	N/A	
16	Check fuel control and power turbine governor for proper rigging.	73-20-01, PARA 2.C. AND 73-20-02, PARA 2.C.	N/A.
17	On power and accessory gearbox cover, check the applied torque on all turbine and exhaust collector support--to--gearbox retaining nuts. Torque must be 120--150 lb in. (14--17 N.m). Compliance with 250 CEB--72--3017 cancels this periodic inspection requirement.	72--50--00, PARA 1.B.	SAL 504 DL
18	Inspect ignition lead for burning, chafing or cracking of con Also, check for loose connectors and/or broken lockwire. Perform operational check of ignitors.	74--20--02, PARA 2. 74--20--01, PARA 2.B.	
19	Inspect Pc filter for proper clamping and security	73--20--03	SAL 504 DL
20	Without disassembly or removal of the Pc filter assembly from the mounting bracket, inspect using a 10X magnification and a bright light to detect any signs of cracks, paying particular attention to both of the end fittings at their junction with the end walls. If cracks are detected, remove assembly and comply with 250 CEB--A--75--3017.	N/A	
	NOTE: Compliance with 250 CEB--A--75--3017 eliminates this inspection requirment.		
	300 HOUR INSPECTION		
21	Remove and disassemble fuel nozzle. Clean and inspect fuel nozzle filter assembly. Assemble and install fuel nozzle.	73--10--03	
22	Remove, inspect, and reinstall the turbine pressure oil check valve.	72--60--00, PARA 2.K.	
	NOTE: Check Valve P/N 23074872 and subsequent part numbers are not applicable to this inspection (these valves are considered "ON CONDITION").		
23	Inspect the rear engine mount for security and excessivebearing wear.	72-00-00, PARA 1.A. (5)	

WO: LW26111Z

	300 HOUR INSPECTION (cont)		
24	Remove, clean inspect and reinstall thePc filter. If engine performance deteriorates, Pc filter cleaning interval may have to be reduced.	73--20--03 PARA 2. and 3.	
	WARNING: PROPER TIGHTENING OF ENGINE TUBING CONNECTIONS IS CRITICAL TO FLIGHT SAFETY. CORRECT TORQUE VALUES MUST BE USED AT ALL TIMES. EXCESSIVE TORQUE ON PNEUMATIC SENSING SYSTEM CONNECTIONS RESULTS IN CRACKING OF THE FLARE CAUSING AN AIR LEAK WHICH CAN CAUSE FLAMEOUT, POWER LOSS OR OVERSPEED.		
25	On power and accessory gearbox cover, check the applied torque on all turbine and exhaust collector support--to--gearbox retaining nuts. Torque must be 120--150 lb in. (14--17 N¡m).	72-50-00, para 1.B.	S.A.L. 504 DL
26	Visually inspect the outer combustion case butt weld areas near the braze patch for cracks. Use a bright light and mirror as necessary. Removal of the outer combustion case is not required.	72--40--00, PARA 2.B.	
	600 HOUR INSPECTION		
27	Do the scavenge oil filter impending bypass function check as in Facet Service Bulletin No. 090589 (Ref. Rolls--Royce CSL 3116) for all aircraft equipped with an external scavenge filter system. Follow the Facet instructions and time intervals, or follow this recommended inspection interval each 600 hours.	N/A	N/A
	2000 HOUR INSPECTION		
28	Fuel control filter inspection.	73--20--02, PARA 5.A.	N/R to time
29	Fuel nozzle filter inspection (if applicable)	73--10--03, PARA 3.C.	
30	Remove and replace the low pressure fuel filter element. Before discarding filter, inspect for signs of contaminants. If any are found, inspect the entire fuel system and clean if necessary.	73--10--05, PARA 2.	N/A to time
31	Inspect the combustion liner.	72--40--00, PARA 1.C.	S.A.L. 504 DL
32	Inspect the outer combustion case for cracks using Leak--Tek and/or dye penetrant.	72--40--00, PARA 2.B.(2) (3), and (4)	
33	Inspect the compressor discharge air tubes.	72--40--00, PARA 4.C.	
34	Inspect the N2 overspeed mounting dampers.	73--21--00, PARA 7.B.	N/A

WO: LW 26113

SCHEDULED INSPECTIONS IAW 14W2 ED:6 REV: 19 DATED: NOV 15, 2012

Owner: ORNGE AIR	Date: OCT 2 3 2013
Model: C30S	
Compressor S/N: CAC90104	TSN: 20636.8 TSO: 19174.8

CAUTION: BEFORE UNDERTAKING ANY INSPECTION OR MAINTENANCE ACTION CONSULT THE REFERENCED PARAGRAPHS OF THE OPERATION AND MAINTENANCE MANUAL. FAILURE TO FOLLOW THE RECOMMENDED INSTRUCTIONS IN THE MANUAL COULD RESULT IN EQUIPMENT DAMAGE OR DESTRUCTION, POSSIBLY RESULTING IN PERSONNEL DEATH OR INJURY.

Item	Inspection/Maintenance Action		REF PARA	Initial
	150 Hour Inspection			
1	Inspect the compressor impeller leading edges for damage.		72--30--00, para 4.B.	
2	Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.		72--30--00, para 5.B.	N/R
3	Inspect compressor scroll for cracks. Pay particular attention to welded areas.		N/A	
	300 HOUR INSPECTION			
4	Inspect compressor mount for cracks.		72-00-00, PARA 1.A. (3)	
5	Clean No. 1 bearing oil pressure reducer.		72--30--00, PARA 2.A. (1)	
	2000 HOUR INSPECTION			
6	Inspect the spur adapter gearshaft, compressor rotor splined adapter and associated impeller bore.		72--30--00, PARA 4.B.(2), 4.C. and 4.E.	

NOTES: The following inspections are recommended whenever the turbine or compressor is removed in--between the required 2000 hour inspection.
Anytime the compressor is removed from the engine, visually inspect the aft end of the spur adapter gearshaft for worn or damaged spines.
If spline wear or damage is observed the appropriate maintenance action is required.
Inspection intervals must not exceed 2000 hours.

WO:LW261114

SCHEDULED INSPECTIONS IAW 14W2 ED:6 REV: 19 DATED: NOV 15, 2012

Owner:	ORGNE AIR	Date:23 OCT 2013	
Model:	C30S		
Gearbox S/N:CAG90615		TSN:14580.9	TSO:11699.2

CAUTION: BEFORE UNDERTAKING ANY INSPECTION OR MAINTENANCE ACTION CONSULT THE REFERENCED PARAGRAPHS OF THE OPERATION AND MAINTENANCE MANUAL. FAILURE TO FOLLOW THE RECOMMENDED INSTRUCTIONS IN THE MANUAL COULD RESULT IN EQUIPMENT DAMAGE OR DESTRUCTION, POSSIBLY RESULTING IN PERSONNEL DEATH OR INJURY.

Item	Inspection/Maintenance Action	REF PARA	Initial
	150 Hour Inspection		
1	Remove, clean, operationally test, and reinstall the magnetic drain plugs: a. Standard type -- examine the chip detector end of the plugs for cracks. b. Quick disconnect -- examine the locking pins and flanged inserts for wear. Torque 60--80 lb in. (6.8--9.0 Nm). No cracks are permitted. Examine each chip detector separately.	72--00--00, PARA 8.E.	SAL 1175 QI
2	Remove, inspect, clean and reinstall the oil filter. If excessive carbon is found in the filter, inspect the scavnge and pressure oil system. Refer to 72--50--00 PARA 6.E., 6.F., 6.G., 6.H., 7.A., and 7.B.	72--60--00. PARA 1.C.	SAL 1175 QI
	2000 Hour Inspection		
3	Examine the power drivetrain gears. Disassembly of the gearbox is not necessary for this inspection. NOTES: Not applicable for: Torquemeter gear part number 23084248 and subsequent Power take--off gear part number 23084249 and subsequent Pinion gear part number 23084247 and subsequent.	CSL 3225	R/R

1. Approving Civil Aviation Authority/Country	2.	3. Form Tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE FORM ONE	ARCLW713492

4. Organization name and address

StandardAero
A GE Company

STANDARD AERO LTD
33 ALLEN DYNE ROAD
WINNIPEG, MANITOBA, CANADA, R3H 1A1 AMO 22-58

5. Work Order/Contract/Invoice
LW261112

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/batch No.	11. Status/Work
01	C30S ENGINE ASSEMBLY	23005290	1	CAE890210	Repaired

12. Remarks **TSN:** 13480.2 **TSO:** 11859.7 **CSN:** 24499

Customer PO: 4500008467
The product identified complete with (2) vibration brackets (less N2 Overspeed Control, Fuel Hose, Start Counter & FCU to Fireshield Tube) has been repaired (2000 hr inspections were performed on the combustion section) (Compressor Assy s/n CAC90104 installed) (Gearbox Assy s/n CAG90615 installed) (Turbine Assy s/n CAT90340 installed) & tested iaw Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 19th Rev. Dated 01 Apr. 2013 and the current maintenance rules of the Canadian Aviation Regulations. The following major parts were replaced: OCC, Combustion Liner, Thermocouple Terminal & (2) Spark Igniters. 150, 300 & 2000 hr inspections have been complied with (engine only) as indicated in the supplied checklist iaw Maintenance Manual 14W2 6th Ed. 19th Rev. Dated 15 Nov. 2012. The product is released serviceable for return to service, on a time continued basis in compliance with CAR 571, FAR Part 43.17 and EASA Part 145 (reference EASA Approval Certificate EASA.145.7059). All pertinent details of work performed are on file at this organization under Work Order LW261112.

13a. Certifies that the items identified above were manfactured in conformity to:

☐ **Approved design data and are in condition for safe operation.**

☐ **Non approved design data specified in block 12.**

14a. ☒ **CAR 571.10 Maintenance release.**

☒ **Other regulations specified in block 12.**

Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 was performed in accordance with Canadian Aviation Regulations.

13b. Signature	13c. Approved Organization Number	14b. Signature	14c. Approved Organization Number
N/A	N/A	Rebecca Perrault	SAE 651 QC AMO 22-58
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
N/A	N/A	REBECCA PERRAULT	23-Oct-2013

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 13a and 14a do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

(Previously Form 24-0078)

StandardAero

REPAIR AND OVERHAUL WARRANTY FOR MODEL 250

WARRANTY

StandardAero warrants that repairs and overhauls performed by StandardAero shall be free from defects in workmanship for the applicable warranty period subject to the terms and conditions herein. A defect shall mean the failure of an engine, module, or part to function in accordance with the applicable airworthiness authority or OEM's requirements due to StandardAero's workmanship. New parts embodied by StandardAero during an overhaul or repair shall be subject to the OEM's new part warranty.

WARRANTY PERIOD AND COVERAGE

This warranty shall be effective during the following warranty periods. The warranty period shall be the Engine Operating Time measured in hours or the number of months prescribed, whichever occurs first:

SERVICE	HOURS	FROM INSTALLATION	SINCE SHIPPED	COVERAGE
Accessories Overhaul	500 hours	12 months	12 months	0 – 500 hours 100%
Accessories Repair	500 hours	6 months	12 months	0 – 500 hours 100%
Engine Repair or Overhaul	500 hours	12 months	12 Months	0 – 500 hours 100%
OEM Embodied New Material	Per OEM	Per OEM	Per OEM	Per OEM

WARRANTY CLAIMS

To obtain warranty coverage, defects in workmanship must be discovered within the warranty period and StandardAero must be given prompt notice in writing no later than 3 days from the date the Customer knew or should have known of the defect. The engine, module or part must be returned to StandardAero no later than 30 days after such notification is made at the Customer's expense. The Customer must make any previously attached or related parts available to StandardAero upon request to assist in determining the cause of the defect.

StandardAero will assist the Customer by administering new parts warranty claims with the OEM on behalf of the Customer in accordance with OEM warranty policies. StandardAero will also assist the Customer by requesting that StandardAero's suppliers' and subcontractors' warranties with respect to parts embodied in or services provided on the Customer's engines, modules, or parts will be extended to and be enforceable by the Customer.

Engines, modules, or parts for which a warranty claim has been allowed, shall be returned to the Customer at StandardAero's expense. In the event that a warranty claim is denied, the engine, module, or part shall be returned to the customer C.O.D. and the cost of disassembly and reassembly to disclose the claimed defect and the cost of preparation of any technical report shall be borne by the Customer at StandardAero's current applicable hourly rates.

CONDITIONS FOR WARRANTY COVERAGE

This warranty is extended to the Customer that originally contracted StandardAero to perform the overhaul or repair service. This warranty may be transferred to another party with the prior written approval of Standard Aero and upon payment of a transfer fee of $100.00.

Warranty coverage may be denied if the engine, module, or part: (1) has not been maintained and operated in accordance with StandardAero's recommendations and the OEM's directives and instructions; (2) has been altered or repaired outside Standard Aero facilities; or (3) has been subjected to misuse, neglect, accident or damage from the elements.

WARRANTY LIMITATIONS AND EXCLUSIONS

Standard Aero does not warrant parts embodied or services performed by other companies.

The obligation of Standard Aero under this warranty is limited to the repair or replacement of the parts which failed due to defects in StandardAero's workmanship and shall not include the costs of parts or labor necessary for the disassembly, reassembly, or testing of the major assembly in which the defect occurred. In the event that life-limited parts covered by this warranty are damaged beyond repair, StandardAero shall only be obligated for the replacement value of such parts.

This warranty is in lieu of all other warranties expressed or implied, including but not limited to, any warranty of merchantability or fitness for a particular purpose. All other obligations and liabilities either direct or consequential on the part of Standard Aero relating to engines, modules, or parts are hereby expressly disclaimed.

This warranty does not include, and StandardAero will not be liable for any other remedy or liability for incidental or consequential damages of any kind, including but not limited to such damages resulting from a breach of contract or warranty, alleged negligence or otherwise, damage to airframe or other property, costs or expense of operation of the engine, module, or part or other equipment, loss of the use of the aircraft, lost profits or revenue, cost of capital, cost of substitute equipment, facilities or services, downtime costs, collection costs, attorneys fees, damages of any type, or claims of Customer's buyers or other third parties for such damages, or any other loss, claim or demand of any description. Unresolved warranty disputes shall be referred to binding arbitration pursuant to the laws and in the location to be determined solely by StandardAero.

ORNGE AIR

Customer Name

The Customer acknowledges having read and accepts the warranty terms and conditions herein.

23 OCT. 2013

Date of Issue

CAE890210

Engine / Module / Part Serial Number

Authorized Signature

Revision Date: December 31, 2009

1. Approving Civil Aviation Authority/Country	2.	3. Form Tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE FORM ONE	PO 530580

4. Organization Name and Address	5. Work Order/Contract/Invoice
Aerojet Turbine Reworks Inc. # 13-3071 No 5 Road Richmond. BC Canada V6X 2T4	W/O 13663

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	COMBUSTION LINER	23066675	1	SL13497A	REPAIRED

12. Remarks: European Aviation Safety Agency Approval Certificate Number EASA 145.7153

WELD REPAIRED AND COLD WORKED IAW 14W3. NDT – PASSED.

13a. Certifies that the items identified above were manufactured in conformity to:	14a.
☐ Approved design data and are in condition for safe operation. ☐ Non approved design data specified in block 12.	☒ CAR 571.10 Maintenance Release ☐ Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11, has been performed in compliance with the *Canadian Aviation Regulations*.
13b. Signature	13c. Approved Organization Number
13d. Name	13e. Date (dd/mmm/yyyy)

14b. Signature	14c. Approved Organization Number
ATR 1	TCCA AMO 142-96
14d. Name	14e. Date (dd/mmm/yyyy)
Julio Epondulan	AUGUST 25, 2011

(Previously form 24-0078)

INSTALLER RESPONSIBILITIES

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block must ensure that their regulations recognize certifications from the country specified.

Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

Pgm.: RTRD938C *VH* MAIN MENU *VH* Date: 11/08/31
User: IMURRAY **** Assembly Insta le Report *** Time: 10:18:26
Page: 1

Part: 23066675 Serial Number: SL13497A Missing Only: N As Of Date: 11/08/31 AWR.....: A/C Type: 976A Reg:

ATA	Position	Part Number	Description	Serial Number	Doc.Ref#	Doc Date	A/F Time	CC	WC	Interval		TSN	TSI	Remaining	Due @
724012	#2	23066675	COMBUSTION LINER	SL13497A	P/O 530580	11/08/25		HT	OH	2000	H	544:50	544:50	1455:50	

*** END OF REPORT ***

Configuration Report

ORNGE GLOBAL AIR
5310 Explorer Drive, ,,
Mississauga,
ON,
Canada

Configuration Report

Aircraft# : C-GIMT **Times :** 20352:00 H **Cycles :** 72706 LDG

Part # / Serial # / Part Description / Position Code	Level Code / Attach Date / Days / Root Part # / Root Serial # / Root Position Code	Since New / Since Overhaul
250C30S / CAE-890210S ENGINE ASSEMBLY; 250C30S 720000-#2	1.132 01/30/2014 - -	24499.00 ESTARTS, 13489.20 H 24499.00 ESTARTS, 2359.70 H
23051643 / CAC-90104S COMPRESSOR ASSEMBLY 723000	1.132.1 06/11/2009 250C30S / CAE-890210S 720000-#2	37671.00 ESTARTS, 20636.80 H 35642.00 ESTARTS, 19174.80 H
23076543 / QB98342 IMPELLER; COMPRESSOR 723020	1.132.1.1 06/10/2009 250C30S / CAE-890210S 720000-#2	22239.00 ESTARTS, 10637.20 H 11440.00 ESTARTS, 1253.50 H
23066675 / OA290114 COMBUSTION LINER 724012	1.132.2 01/29/2014 250C30S / CAE-890210S 720000-#2	0.00 ESTARTS, 0.00 H -

Legend: ** - As Required Task

Configuration Report

Aircraft# : C-GIMT **Times :** 20352:00 H **Cycles :** 72706 LDG

Part # / Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul
23035128 / CAT-90340 TURBINE ASSEMBLY 725000	1.132.3 06/11/2009 250C30S / CAE-890210S 720000-#2	27080.00 ESTARTS, 14861.30 H 0.00 ESTARTS, 0.00 H
23073566 / SL14179A 1ST STAGE NOZZLE SHIELD 725011	1.132.3.1 06/11/2009 250C30S / CAE-890210S 720000-#2	13085.00 ESTARTS, 14861.30 H 0.00 ESTARTS, 0.00 H
23063299 / X612859 1ST STAGE WHEEL 725014	1.132.3.2 01/29/2014 250C30S / CAE-890210S 720000-#2	0.00 ESTARTS, 0.00 H -
23032280 / X617292 2ND STAGE WHEEL 725022	1.132.3.3 01/29/2014 250C30S / CAE-890210S 720000-#2	0.00 ESTARTS, 0.00 H, 0.00 N2 -
6898663 / XX619575 3RD STAGE WHEEL 725070	1.132.3.4 01/29/2014 250C30S / CAE-890210S 720000-#2	0.00 ESTARTS, 0.00 H, 0.00 N2 -

Legend: ** - As Required Task

Configuration Report

Aircraft# : C-GIMT **Times :** 20352:00 H **Cycles :** 72706 LDG

Part # / Serial # Part Description Position Code	Level Code / Attach Date / Days Root Part # / Root Serial # Root Position Code	Since New Since Overhaul
23066744 / X620502 4TH STAGE TURBINE WHEEL 725074	1.132.3.5 01/29/2014 250C30S / CAE-890210S 720000-#2	0.00 ESTARTS, 0.00 H, 0.00 N2 -
23035179 / CAG-90515 ENGINE GEARBOX (C30S) 726010	1.132.4 06/09/2009 250C30S / CAE-890210S 720000-#2	0.00 ESTARTS, 14580.90 H 0.00 ESTARTS, 11699.20 H
6896810 / T0350 FUEL PUMP ASSY 731010	1.132.5 01/18/2010 250C30S / CAE-890210S 720000-#2	7172.80 H 819.20 H
23077067 / 1ZJ03850 FUEL NOZZLE 731040	1.132.6 06/10/2009 250C30S / CAE-890210S 720000-#2	2607.80 H 9.00 H
23070613 / 332717 FUEL CONTROL UNIT 732010	1.132.7 06/30/2010 250C30S / CAE-890210S 720000-#2	3381.60 H 456.90 H

Legend: ** - As Required Task

Configuration Report

Aircraft# : C-GIMT **Times :** 20352.00 H **Cycles :** 72706 LDG

Part # / Serial # / Part Description / Position Code	Level Code / Attach Date / Days / Root Part # / Root Serial # / Root Position Code	Since New / Since Overhaul
23086751 / BR45532 PT GOVERNOR 732030	1.132.8 07/20/2009 250C30S / CAE-890210S 720000-#2	3202.00 H 1210.50 H
23073353 / FF30423 BLEED VALVE 753010	1.132.9 11/13/2009 250C30S / CAE-890210S 720000-#2	7977.90 H 887.00 H

Legend: ** - As Required Task

StandardAero

Rolls-Royce

Engine Test Results

Model 250-C30SE

Customer: CANADIAN HELICOPTERS LIMITED ***
Date: 10-Jun-09
TCN: LW741400
Shop Order: KNUW8
Run No.: 2

Engine S/N: CAE890210S
Comp S/N: CAC-90104
Turbine S/N: CAT-90340
Gearbox S/N: CAG-90615
RGB S/N: N/A

Engine performance data corrected to sea level, static (unity ram) standard day

Setting	CRC	CRB	CRA	NCR	TO	2.5 MIN
GPTOT				1240.0	1317.0	1371.0
SHP				609.5	690.7	743.5
Min Allow	334.0	418.0	501.0	557.0	650.0	700.0
% Var				9.4%	6.3%	6.2%
SFC	0.685	0.626	0.592	0.567	0.558	0.556
Max Allow	0.719	0.665	0.624	0.607	0.592	0.588
% Var	-4.7%	-5.9%	-5.1%	-6.6%	-5.7%	-5.4%
T/M Calibration at 700 HP = 100 PSIG						

Seal Vent Orifice= -4

I hereby certify that the engine identified above has been tested in accordance with Rolls-Royce overhaul manual 14W3 ED2 REV14 01 APRIL 2008 for the specified workscope.

Rebecca Perrault

SAL 661 QI

1. Approving Civil Aviation Authority/Country	2.	3. Form Tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE FORM ONE	ARCLW261701

4. Organization name and address

StandardAero

STANDARD AERO LTD
33 ALLEN DYNE RD.
WINNIPEG, MANITOBA, CANADA, R3H 1A1 AMO Approval No. 22-58

5. Work Order/Contract/Invoice
LW741400

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/batch No.	11. Status/Work
01	C30S ENGINE ASSEMBLY	23005290	1	CAE-890210	Repaired

12. Remarks **TSN:** 12226.7 **TSO:** 10606.2 **CSN:** 21705

PO: 526609

The product identified complete with (2) vibration brackets (less N2 Overspeed Control, Fuel Hose & Start Counter) has been repaired to replace cycle expired 1st & 2nd stage turbine wheels, low power & gearbox vibrations (OCC & Discharge Tubes were NDT inspected & pressure tested; combustion liner was overhauled) (Compressor Assy s/n CAC-90104S installed) (Gearbox Assy s/n CAG-90615 installed) (Turbine Assy s/n CAT-90340 installed) & tested (150 hr vibration test performed) in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 15th Rev. Dated 01/04/09 and the current maintenance rules of the Canadian Aviation Regulations. 150, 300 & 2000 hr inspections have been complied with (engine only) as indicated in the supplied checklist iaw Maintenance Manual 14W2 6th Ed. 15th Rev. Dated 15/11/08. The following major parts were replaced: Anti-Icing Tube & Gearbox Assy. The product is released serviceable for return to service, on a time continued basis in compliance with CAR 571, FAR Part 43.17 and EASA Part 145 (reference EASA Approval Certificate EASA.145.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of work performed are on file at this organization under Work Order LW741400.

The engine comprises of the following:

Module	P/N	S/N	TTSN	TSO	TCSN	CSO
Compressor	23051643	CAC-90104S	19, 383.3	17, 921.3	34, 877	32, 848
Gearbox	23035179	CAG-90615	13, 327.4	10, 445.7	n/a	n/a
Turbine	23035128	CAT-90340	13, 607.8	1106.2	24, 286	2910

13a. Certifies that the items identified above were manfactured in conformity to:

☐ **Approved design data and are in condition for safe operation.**

☐ **Non approved design data specified in block 12.**

14a. ☒ **CAR 571.10 Maintenance release.**

☒ **Other regulations specified in block 12.**

Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 was performed in accordance with Canadian Aviation Regulations.

13b. Signature	13c. Approved Organization Number	14b. Signature	14c. Approved Organization Number
N/A	N/A	Rebecca Perrault	SAL 661 QI AMO Approval No. 22-58
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
N/A	N/A	REBECCA PERRAULT	11-Jun-2009

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 13a and 14a do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

(Previously Form 24-0078)

The following components were installed onto engine s/n CAE-890210 under Work Order LW741400:

Compressor Assembly p/n 23051643 s/n CAC-90104S
TTSN: 19, 383.3 hrs TSO: 17, 921.3 hrs
TCSN: 34, 877 cycles CSO: 32, 848 cycles

Impeller Assembly p/n 23076543 s/n QB98342
TTSN: 9383.7 hrs T/R: 5616.3 hrs
TCSN: 19, 445 cycles C/R: 5555 cycles

Gearbox Assembly p/n 23035179 s/n CAG-90615
TTSN: 13, 327.4 hrs TSO: 10, 445.7 hrs

Turbine Assembly p/n 23035128 s/n CAT-90340
TTSN: 13, 607.8 hrs TSO: 1106.2 hrs
TCSN: 24, 286 cycles CSO: 2910 cycles

1st Stage Turbine Wheel p/n 23053299 s/n X588613
TTSN: 0.0 hrs T/R: 2025 hrs
TCSN: 0 cycles C/R: 3000 cycles

2nd Stage Turbine Wheel p/n 23032280 s/n X569547
TTSN: 0.0 hrs T/R: 2025 hrs
TCSN: 0 cycles C/R: 3000 cycles

3rd Stage Turbine Wheel p/n 6898663 s/n X565353
TTSN: 1106.2 hrs T/R: 3443.8 hrs
TCSN: 2910 cycles C/R: 3090 cycles

4th Stage Turbine Wheel p/n 23066744 s/n X559010
TTSN: 1106.2 hrs T/R: 3443.8 hrs
TCSN: 2910 cycles C/R: 3090 cycles

PT Governor p/n 23070101 s/n 21030
TTSN: 10, 323.1 hrs TSO: 272.9 hrs
T/R: 1727.1 hrs

Fuel Control p/n 23070613 s/n BR54131
TTSN: Unknown TSO: 1646.2 hrs
T/R: 853.8 hrs

Fuel Pump p/n 6896810 s/n T0373
TTSN: 6806.5 hrs TSO: 3041.0 hrs
T/R: 459.0 hrs (w/extension)

Fuel Nozzle p/n 23077067 s/n 1ZJ03850
TTSN: Unknown TSO: 0.0 hrs
T/R: 2000.0 hrs

Bleed Valve p/n 23073533 s/n FF43555
TTSN: Unknown TSO: 1108.3 hrs
T/R: 391.7 hrs

Combustion Liner p/n 23066675 s/n SL13432A
TTSN: Unknown TSO: 0.0 hrs
T/R: 750.0 hrs

LW741400

Table 603

Inspection Checksheet

Owner CANADIAN Date JUN 12 2009

A/C Make/Model_____ S/N_____ Reg No_____ TSN_____

Engine S/N CATCAE 890210 TSN 12226.7 TSO 10606.2

This inspection checksheet is to be used when performing scheduled inspections. This form may be locally reproduced and/or expanded to reflect the aircraft operating environment. Keep the completed sheets as a permanent part of the aircraft engine records. Detailed information regarding each inspection item is contained in the referenced Operation and Maintenance Manual paragraphs.

CAUTION: BEFORE UNDERTAKING ANY INSPECTION OR MAINTENANCE ACTION, CONSULT THE REFERENCED PARAGRAPHS OF THE OPERATION AND MAINTENANCE MANUAL. FAILURE TO FOLLOW THE RECOMMENDED INSTRUCTIONS IN THE MANUAL COULD RESULT IN EQUIPMENT DAMAGE OR DESTRUCTION, POSSIBLY RESULTING IN PERSONNEL DEATH OR INJURY.

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	150 HOUR INSPECTION			
1	Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage.		✓	SAL 504 DL
	Check B-nuts for presence and alignment of torque stripes. B-nuts with missing torque stripes must be loosened and retightened, before application of new torque stripes.		✓	SAL 504 DL
2	Inspect the compressor impeller leading edges for damage.	72-30-00, para 4.B.	✓	SAL 504 DL
3	Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.	72-30-00, para 5.B.	✓	SAL 504 DL
4	Without disassembly, inspect the turbine and exhaust collector supports for condition of welded joints, cracks and buckling.	72-50-00, para 6.L. and para 8.B.	✓	✓
5	Using a small mirror and a flashlight, inspect flow divider inside turbine and exhaust collector support for cracks or separated tack welds. If cracking of sheet metal or welds is found but limits are not exceeded, inspect every 25 hours until support is repaired, flow divider is removed, or limits are exceeded. Compliance with 250 CEB 72-3040 eliminates this inspection requirement.	72-50-00, para 6.L. and para 8.B. crack found		✓

Table 603 (cont)

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	150 HOUR INSPECTION (cont)			
6	Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check fuel control lever for freedom of operation and full travel. Check condition and security of all linkages.	73-00-00, para 2.A.	✓	SAL 504 DJ
7	Inspect the engine mounts for condition and security.		✓	SAL 504 DJ
8	Perform a detailed visual inspection of the outer combustion case. Using a bright light (flashlight or equivalent), inspect all weld areas for cracks. Outer combustion cases without brazed reinforcement wire patches, comply with inspection requirements of 250 CEB-A-72-3115.	72-40-00, para 2.B.(1)	✓	SAL 504 DJ
9	Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.		✓	SAL 504 DJ
10	For aircraft with external energy absorbing ring installed, inspect ring upper bracket for cracks. Reference 250 CEB-A-72-3124, Revision No. 2		N/A	
	CAUTION: NORMAL ENGINES USE A MINIMAL AMOUNT OF OIL. HOWEVER, ANY SUDDEN INCREASE IN OIL CONSUMPTION IS INDICATIVE OF OIL SYSTEM PROBLEMS AND MUST BE CORRECTED.			
11	Check oil supply level. If the engine has been idle for more than 15 minutes, motor the engine for 30 seconds to scavenge any oil that may have drained into the gearbox from the oil tank. Failure to completely scavenge the oil from the gearbox will cause a false indication of high oil consumption. See Post Flight Check No. 3.	72-00-00, Table 101 Trouble-shooting, items 17 and 18.		N/A
	NOTE: Check oil supply level within 15 minutes of engine shutdown.			
12	Inspect for extension of impending oil filter bypass indicator. If indicator is extended, clean oil filter. It is possible for the impending oil filter bypass indicator to extend during a start of a cold soaked engine, giving an erroneous indication of a dirty oil filter. If the impending filter bypass indicator is extended, run the engine until the oil is at operating temperature and push the indicator button in. If the button remains in throughout the normal speed range of the engine, the filter does not require cleaning.	72-60-00, PARA 1.C.	✓	SAL 504 DJ

LW741400 CAE-890210 JUN 12 2009

TABLE 603 (cont)

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	150 HOUR INSPECTION (cont)			
	CAUTION: WHEN THERE IS EVIDENCE THAT THE AIRFRAME OR ENGINE FUEL FILTER HAS BEEN BYPASSED, THE GAS PRODUCER FUEL CONTROL INLET FILTER, THE FUEL NOZZLE FILTER, MUST BE CLEANED. (REFER TO SPECIAL INSPECTIONS, 72-00-00, TABLE 607) IF ANY CONTAMINATION IS FOUND IN THE FUEL NOZZLE FILTER, THIS WILL REQUIRE THAT THE FUEL CONTROL BE SENT TO AN AUTHORIZED REPAIR FACILITY FOR INTERNAL CLEANING. REFERENCE MUST ALSO BE MADE TO THE AIRFRAME MAINTENANCE MANUAL FOR FUEL SYSTEM MAINTENANCE FOLLOWING FUEL CONTAMINATION.			
13	Inspect for extension of impending fuel filter bypass indicator. If indicator is extended, replace fuel filter.	73-10-05, PARA 2.	✓	SAL 504 D
	Inspect fuel filter in the fuel control and the filter in the fuel nozzle. Ground run engine to assure proper operation of control system.	73-20-02, PARA 5.A.	✓	SAL 504 DI
13.A	Clean and inspect the fuel nozzle. If no airframe mounted fuel filter is installed, inspect the fuel nozzle filter. Install fuel nozzle with proper number of spacers.	73-10-03	✓	SAL 504 DI
14	Record component changes, inspections, and compliance with technical instructions as required. Report engine difficulties to Rolls-Royce and/or Authorized Maintenance Center (AMC) on Model 250 report, Form 8117-1 (Rev. 5-94) as required.		✓	SAL 661 QI
15	Without disassembly, check the compressor discharge air tubes. Inspect for air leaks, dents, cracks, chafing, and proper clamping.	72-40-00, Table 203.	✓	SAL 504 DI
16	Inspect compressor scroll for cracks. Pay particular attention to welded areas.		✓	SAL 504 DI
17	Clean the burner drain valve. Ensure that the airframe overboard is clear. Refer to aircraft manual for maintenance procedures.	72-40-00, PARA 3.	✓	SAL 504 D
18	Inspect the anti-icing, bleed air, and overspeed solenoid valves for loose, chafed, frayed or broken wires, loose connections and security of attachment.		✓	SAL 504 DI
19	Inspect the horizontal and vertical firewall shields for cracks. Continued sheet metal or tube cracking may be an indication of excessive engine, engine accessory, or airframe vibration.	72-50-00, PARA 6.K.	✓	

TABLE 603 (cont)

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	150 HOUR INSPECTION (cont)			
20	Check fuel control and power turbine governor for proper rigging.	73-20-01, PARA 2.C. and 73-20-02, PARA 2.C.		ND/A.
21	On power and accessory gearbox cover, check the applied torque on all turbine and exhaust collector support-to-gearbox retaining nuts. Torque must be 120-150 lb in. (14-17 N·m). Compliance with 250 CEB-72-3017 cancels this periodic inspection requirement.	72-50-00, PARA 1.B.	✓	S.A.L. 504 D1
22	Remove, clean, operationally test, and reinstall the magnetic drain plugs: a. Standard type - examine the chip detector end of the plugs for cracks. b. Quick disconnect - examine the locking pins and flanged inserts for wear. Torque 60-80 lb in. (6.8-9.0 Nm). No cracks are permitted. Examine each chip detector separately.	72-00-00, PARA 8.E.	✓	S.A.L. 504 D1
23	Inspect ignition lead for burning, chafing or cracking of conduit. Also, check for loose connectors and/or broken lockwire. Perform operational check of ignitors.	74-20-02, PARA 2. 74-20-01, PARA 2.B.	✓	S.A.L. 504 D1
24	Remove, inspect, clean and reinstall the oil filter.	72-60-00, PARA 1.C.	✓	S.A.L. 504 D1
25	Measure and record power turbine support pressure oil nozzle flow from scavenge oil strut. Record and retain flow record. Flow_____ Compare with previous flow. Any large deviation could indicate carbon buildup. While motoring N_1 to 16-18% the minimum flow is 90cc in 15 seconds.	72-50-00, PARA 6.E.		ND/A

LW741400 CAE-890210 JUN 12 2009

TABLE 603 (cont)

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	150 HOUR INSPECTION (cont)			
26	Drain the oil system and refill. Oil changed at: 150 hours: _____ 300 hours: _____ 600 hours: _____ 150 hours or 6 months max. time limit.	72-00-00, PARA 8.D., Engine-Servicing.		N/A.
	NOTE: With an STC approved external scavenge filter, the oil change interval is 300 hours or 6 months. NOTE: With an STC approved external scavenge oil filter, and using approved high thermal stability (HTS) oil, the oil change interval is 600 hours or 12 months. NOTE: Refer to 250 CSL-3126, Recommended Sequence, Engine Oil Change for additional instructions.			
27	Service oil filter. If excessive carbon is found in the filter, inspect the scavnge and pressure oil system. Refer to 72-50-00 PARA 6.E., 6.F., 6.G., 6.H., 7.A., and 7.B.	72-60-00, PARA 1.C.	✓	S.A.L. 504 DI
28	Inspect P_c filter for proper clamping and security	73-20-03	✓	S.A.L. 504 DI
29	Without disassembly or removal of the P_c filter assembly from the mounting bracket, inspect using a 10X magnification and a bright light to detect any signs of cracks, paying particular attention to both of the end fittings at their junction with the end walls. If cracks are detected, remove assembly and comply with 250 CEB-A-75-3017.		✓	S.A.L. 504 DI
	NOTE: Compliance with 250 CEB-A-75-3017 eliminates this inspection requirment.			

TABLE 604

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	300 HOUR INSPECTION			
	In addition to the 150 hour inspection items, perform the following:			
1	Inspect compressor mount for cracks.	72-00-00, PARA 1.A. (3), Engine-Inspection/Check.3	✓	S.A.L. 504 DI
2	Clean power turbine support scavenge oil strut.	72-50-00, PARA 6.G.	✓	
3	Clean external sump.	72-50-00, PARA 6.G.	✓	

TABLE 604 (cont)

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	300 HOUR INSPECTION (cont)			
4	Clean No. 1 bearing oil pressure reducer.	72-30-00, PARA 2.A. (1)	✓	SAL 504 D
5	Clean pressure oil fitting screen assembly.	72-50-00, PARA 6.G.	✓	
	CAUTION EXTREME CARE SHOULD BE EXERCISED TO PREVENT TWISTING OF OIL NOZZLE DURING REMOVAL. DO NOT ATTEMPT TO STRAIGHTEN OR REUSE IF TWISTED.			
6	Clean power turbine pressure oil nozzle.	72-50-00, PARA 6.G.	✓	
7	Deleted			
8	Remove, inspect, and reinstall the turbine pressure oil check valve.	72-60-00, PARA 2.K.	✓	SAL 504 D
	NOTE: Check Valve P/N 23074872 and subsequent part numbers are not applicable to this inspection (these valves are considered "ON CONDITION").			
9	Inspect the fourth-stage turbine wheel-to-exhaust collector inner cone clearance.	72-00-00, PARA 1.A. (4), Engine-Inspection/ Check.		N/A
	NOTE: Compliance with 250 CEB 72-3044 eliminates this inspection requirement.			
10	Inspect the rear engine mount for security and excessivebearing wear.	72-00-00, PARA 1.A. (5), Engine-Inspection/ Check.	✓	SAL 504 D
11	Remove, clean inspect and reinstall the P_c filter. If engine performance deteriorates, P_c filter cleaning interval may have to be reduced.	73-20-03 PARA 2. and 3.	✓	SAL 504 D
	WARNING: PROPER TIGHTENING OF ENGINE TUBING CONNECTIONS IS CRITICAL TO FLIGHT SAFETY. CORRECT TORQUE VALUES MUST BE USED AT ALL TIMES. EXCESSIVE TORQUE ON PNEUMATIC SENSING SYSTEM CONNECTIONS RESULTS IN CRACKING OF THE FLARE CAUSING AN AIR LEAK WHICH CAN CAUSE FLAMEOUT, POWER LOSS OR OVERSPEED.			
12	Inspect N_1 shafting.	72-50-00, PARA 6.A.	✓	
	NOTE: Compliance with 250 CEB 72-3059, 72-3096, 72-3100, A-72-3134 (twin engine applications), and A-72-3135 (single engine applications) eliminates this inspectionrequirement.			
13	On power and accessory gearbox cover, check the applied torque on all turbine and exhaust collector support-to-gearbox retaining nuts. Torque must be 120-150 lb in. (14-17 N·m).	72-50-00, para 1.B.	✓	SAL 504 D

LW741400 CAE-890210 JUN 12 2009

TABLE 604 (cont)

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	300 HOUR INSPECTION (cont)			
14	Inspect the thermocouple assembly (TOT/MGT).	77-20-01 PARA 2.B.		

TABLE 605

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	600 HOUR INSPECTION			
	The following inspection is required every 600 hours time since last inspection.			
1	Perform scavenge oil filter impending bypass function check per Facet Service Bulletin No. 090589 (ref. Rolls-Royce CSL 3116) for all aircraft equipped with an external scavenge filter system.			N/A.

TABLE 606

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	2000 HOUR INSPECTION			
	The following inspection is required every 2000 hours time since last inspection.			
1	Fuel control filter inspection.	73-20-02, PARA 5.A.		N/A TO TIME.
2	Fuel nozzle filter inspection	73-10-03, PARA 2.A.	✓	S.A.L. 504 D1
3	Remove and replace the low pressure fuel filter element. Before discarding filter, inspect for signs of contaminants. If any are found, inspect the entire fuel system and clean if necessary.	73-10-05, PARA 2.	✓	S.A.L. 504 D1
4	Inspect the combustion liner.	72-40-00, PARA 1.C.	✓	S.A.L. 504 D1
5	Inspect the outer combustion case for cracks using Leak-Tek and/or dye penetrant.	72-40-00, PARA 2.B.(2) (3), and (4)	✓	S.A.L. 504 D1
6	Inspect the compressor discharge air tubes.	72-40-00, PARA 4.C.	✓	S.A.L. 504 D1
7	Inspect the N_2 overspeed mounting dampers.	73-21-00, PARA 7.B.	✓	N/A.
8	Inspect the spur adapter gearshaft, compressor rotor splined adapter and associated impeller bore.	72-30-00, PARA 4.B.(2), 4.C. and 4.E.	✓	S.A.L. 504 D1

TABLE 606 (cont)

Item	Inspection/Maintenance Action	REFERENCE SECTION	✓	Initial
	2000 HOUR INSPECTION (cont)			
9	Inspect the turbine to compressor coupling, turbine splined adapter, power turbine inner shaft and turbine shaft-to-pinion gear coupling. Turbine to compressor coupling is part of the turbine assembly	72-50-00, PARA 6.A. and 6.B.		
	NOTES: The following inspections are recommended whenever the turbine or compressor is removed in-between the required 2000 hour inspection. Anytime the compressor is removed from the engine, visually inspect the aft end of the spur adapter gearshaft for worn or damaged spines. Anytime the turbine is removed from the engine visually inspect the splines on the following items, turbine-to-compressor coupling, turbine splined adapter, power turbine outer shaft and turbine shaft-to-pinion gear coupling for worn or damaged splines. If spline wear or damage is observed the appropriate maintenance action is required. (Refer to item 6 and 7 above). Inspection intervals shall not exceed 2000 hours.			

Hélicoptères Canadiens
Canadian Helicopters

Bon de Commande / Purchase Order

DATE 7/04/09
P/O NUMBER 522007
PAGE 1

FOURNISSEUR / VENDOR:

Standard Aero Limited
EASTERN FIELD SERVICE
10664 COTE'DE LIESSE RD.
LACHINE. PQ. H8T 1A5

EXPÉDIÉ À / SHIP TO:

Canadian Helicopters Ltd
1215 MONTEE PILON
LES CEDRES. QC
J7T 1G1

ATTN: MARK PELTZ

BUYER: DANIEL SABOURIN
PHONE: 450 452-3010
FAX: 450 452-3098
TERMS:
VENDOR CODE: 034660
~~SHIP VIA: FROM CGIMV~~

FACTURÉ À / INVOICE TO:

CANADIAN HELICOPTERS LTD.
1215 MONTEE PILON
LES CEDRES. QC J7T 1G1

ITEM	DESCRIPTION	QTY	U/M	PRICE	TOTAL
001	250C30S ENGINE ASSEMBLY (C30S) REQUISITION#:	1	EA	.00	.00

Repair order number: 049715 S/N: CAE-890210S

REPAIR ORDER NUMBER: 049715
A/C TYPE: A/C REG.: GIMV

REMOVAL TEXT: ** LOW POWER ** CGIMV S76A

002	23051643 COMPRESSOR ASSEMBLY REQUISITION#:	1	EA	.00	.00

Repair order number: 049716 S/N: CAC-90104S

REPAIR ORDER NUMBER: 049716
A/C TYPE: A/C REG.: GIMV

REMOVAL TEXT: ** REMOVED WITH ENGINE S/N CAE-890210S **

003	23035128 TURBINE ASSEMBLY REQUISITION#:	1	EA	.00	.00

Repair order number: 049717 S/N: CAT-90340

REPAIR ORDER NUMBER: 049717
A/C TYPE: A/C REG.: GIMV

REMOVAL TEXT: ** REMOVED WITH ENGINE S/N CAE-890210S **
EST. TOTAL TIME...:12501:36 TOTAL TIME UNITS..: H
EST. TIME SINCE OH: 2006:00 TSO UNITS.....: H
TIME BETWEEN OH...: 2000:00
CYCLES SINCE NEW..: 21376 TIME SINCE SERVICE: :00

004	23035179 ENGINE GEARBOX (C30S) REQUISITION#:	1	EA	.00	.00

Repair order number: 049718 S/N: CAG-90420

REPAIR ORDER NUMBER: 049718
A/C TYPE: A/C REG.: GIMV

G-112 **ACHETEUR / BUYER** _____

Hélicoptères Canadiens
Canadian Helicopters

PURCHASE ORDER TOTAL: CDN .00

Bon de Commande / Purchase Order

DATE 7/04/09
P/O NUMBER 522007
PAGE 2

FOURNISSEUR / VENDOR:

Standard Aero Limited
EASTERN FIELD SERVICE
10664 COTE'DE LIESSE RD.
LACHINE, PQ. H8T 1A5

EXPÉDIÉ À / SHIP TO:

Canadian Helicopters Ltd
1215 MONTEE PILON
LES CEDRES. QC
J7T 1G1

ATTN: MARK PELTZ

BUYER: DANIEL SABOURIN
PHONE: 450 452-3010
FAX: 450 452-3098
TERMS:
VENDOR CODE: 034660
SHIP VIA: FROM CGIMV

FACTURÉ À / INVOICE TO:

CANADIAN HELICOPTERS LTD.
1215 MONTEE PILON
LES CEDRES. QC J7T 1G1

ITEM	DESCRIPTION	QTY	U/M	PRICE	TOTAL

********** PURCHASE ORDER TERMS AND CONDITIONS **********
-----STANDARD TERMS AND CONDITIONS DATED AUGUST 9. 2001 APPLY-----

SENT FOR REPAIR

**** LOW POWER

**** PLEASE ADVISE GARRY LAVALLEE WITH COST ESTIMATE

**** EMAIL: glavallee@canadianhelicopters.com Fax 450-452-3098

**** Thank you

FAXED 12047882327

G-112 **ACHETEUR / BUYER** 7/04/09 18:26:12 DSABOURIN

STANDARD AERO

Rolls-Royce

ENGINE TEST RESULTS

Model 250-C30SE

Customer: CANADIAN HELICOPTERS LIMITED *
Date: 24-MAY-2007
TCN: LW593755
S/O: FUMP0

Engine S/N: CAE890210
Comp S/N: CAC90104
Turbine S/N: CAT90340
Gearbox S/N: CAG90420
RGB S/N: N/A

Engine performance data corrected to sea level, static (unity ram) standard day

Setting	CRC	CRB	CRA	NCR	TO	2.5 Min
GPTOT				1240.0	1317.0	1371.0
SHP				581.4	663.5	717.0
Min Allow	334.0	418.0	501.0	557.0	650.0	700.0
% Var				+4.4 %	+2.1 %	+2.4 %
SFC	0.710	0.651	0.615	0.592	0.577	0.570
Max Allow	0.719	0.665	0.624	0.607	0.592	0.588
% Var	-1.30 %	-2.09 %	-1.49 %	-2.50 %	-2.60 %	-2.99 %
T/M Calibration at 700 HP = 98.7 PSIG						

Seal Vent Orifice Size = -4

I hearby certify that the engine identified above has been tested in accordance with Rolls-Royce overhaul manual 14W3 ED2 REV 12 01 APR 2006 for the specified workscope.

Rebecca Perrault

SAL 651 QI

Standard Aero Ltd.

LW593755 TABLE 603 CAE8902106 MAY 30 2007

INITIAL	150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
SAL 1000 DI	1. Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage. Check B–nuts for presence and alignment of torque stripes. B–nuts with missing torque stripes must be loosened and retightened, before application of new torque stripes.		
SAL 1000 DI	2. Inspect the compressor impeller leading edges for damage.	72–30–00, para 4.B.	
SAL 1000 DI	3. Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.	72–30–00, para 5.B.	
SAL 1000 DI	4. Without disassembly, inspect the turbine and exhaust collector supports for condition of welded joints, cracks and buckling.	72–50–00, para 6.L. and para 8.B.	
SAL 1000 DI	5. Using a small mirror and a flashlight, inspect flow divider inside turbine and exhaust collector support for cracks or separated tack welds. If cracking of sheet metal or welds is found but limits are not exceeded, inspect every 25 hours until support is repaired, flow divider is removed, or limits are exceeded.	72–50–00, para 6.L. and para 8.B.	Compliance with 250 CEB 72–3040 eliminates this inspection requirement.
SAL 1000 DI	6. Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check fuel control lever for freedom of operation and full travel. Check condition and security of all linkages.	73–00–00, para 2.A.	
SAL 1000 DI	7. Inspect the engine mounts for condition and security. (REAR)		
SAL 1000 DI	8. Perform a detailed visual inspection of the outer combustion case. Using a bright light (flashlight or equivalent), inspect all weld areas for cracks.	72–40–00, para 2.B.(1)	Outer combustion cases without brazed reinforcement wire patches, comply with inspection requirements of 250 CEB–A–72–3115.

LW593755 TABLE 603 (cont) CAE8902106 MAY 30 2007

INITIAL	150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
SAL 1000 DI	9. Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.		
N/A	10. For aircraft with external energy absorbing ring installed, inspect ring upper bracket for cracks.		Reference 250 CEB–A–72–3124, Revision No. 2
	CAUTION: NORMAL ENGINES USE A MINIMAL AMOUNT OF OIL. HOWEVER, ANY SUDDEN INCREASE IN OIL CONSUMPTION IS INDICATIVE OF OIL SYSTEM PROBLEMS AND MUST BE CORRECTED.		
N/A	11. Check oil supply level. NOTE: Check oil supply level within 15 minutes of engine shutdown.	72–00–00, Table 101 Trouble–shooting, Items 17 and 18.	If the engine has been idle for more than 15 minutes, motor the engine for 30 seconds to scavenge any oil that may have drained into the gearbox from the oil tank. Failure to completely scavenge the oil from the gearbox will cause a false indication of high oil consumption. See Post Flight Check No. 3
SAL 1000 DI	12. Inspect for extension of impending oil filter bypass indicator. If indicator is extended, clean oil filter.	72–60–00, PARA 1.C.	It is possible for the impending oil filter bypass indicator to extend during a start of a cold soaked engine, giving an erroneous indication of a dirty oil filter. If the impending filter bypass indicator is extended, run the engine until the oil is at operating temperature and push the indicator button in. If the button remains in throughout the normal speed range of the engine, the filter does not require cleaning.

LW593755 TABLE 603 (cont) CAE8902105 MAY 30 2007

INITIAL	150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
	CAUTION: WHEN THERE IS EVIDENCE THAT THE AIRFRAME OR ENGINE FUEL FILTER HAS BEEN BYPASSED, THE GAS PRODUCER FUEL CONTROL INLET FILTER, THE FUEL NOZZLE FILTER, MUST BE CLEANED. (REFER TO SPECIAL INSPECTIONS, 72–00–00, TABLE 607) IF ANY CONTAMINATION IS FOUND IN THE FUEL NOZZLE FILTER, THIS WILL REQUIRE THAT THE FUEL CONTROL BE SENT TO AN AUTHORIZED REPAIR FACILITY FOR INTERNAL CLEANING. REFERENCE MUST ALSO BE MADE TO THE AIRFRAME MAINTENANCE MANUAL FOR FUEL SYSTEM MAINTENANCE FOLLOWING FUEL CONTAMINATION.		
SAL 1000 DI	3. Inspect for extension of impending fuel filter bypass indicator.	73–10–05, PARA 2.	If indicator is extended, replace fuel filter.
		73–20–02, PARA 5.A.	Inspect fuel filter in the fuel control and the filter in the fuel nozzle. Ground run engine to assure proper operation of control system.
SAL 1000 DI	3.A. Clean and inspect the fuel nozzle. If no airframe mounted fuel filter is installed, inspect the fuel nozzle filter.	73–10–03	Install fuel nozzle with proper number of spacers.
SAL 1000 DI SAL 661 OI	14. Record component changes, inspections, and compliance with technical instructions as required. Report engine difficulties to Rolls–Royce and/or Authorized Maintenance Center (AMC) on Model 250 report, Form 8117–1 (Rev. 5–94) as required.		
SAL 1000 DI	15. Without disassembly, check the compressor discharge air tubes. Inspect for air leaks, dents, cracks, chafing, and proper clamping.	72–40–00, Table 203.	
SAL 1000 DI	16. Inspect compressor scroll for cracks. Pay particular attention to welded areas.		
SAL 1000 DI	17. Clean the burner drain valve.	72–40–00, PARA 3.	Ensure that the airframe overboard is clear. Refer to aircraft manual for maintenance procedures.
SAL 1000 DI	18. Inspect the anti–icing, bleed air, and overspeed solenoid valves for loose, chafed, frayed or broken wires, loose connections and security of attachment.		

LW593755 TABLE 603 (cont) CAE8902105 MAY 30 2007

INITIAL		150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
SAL 1000 DI	19.	Inspect the horizontal and vertical firewall shields for cracks.	72–50–00, PARA 6.K.	Continued sheet metal or tube cracking may be an indication of excessive engine, engine accessory, or airframe vibration.
N/A	20.	Check fuel control and power turbine governor for proper rigging.	73–20–01, PARA 2.C. and 73–20–02, PARA 2.C.	
SAL 1000 DI	21.	On power and accessory gearbox cover, check the applied torque on all turbine and exhaust collector support–to–gearbox retaining nuts.	72–50–00, PARA 1.B.	Torque must be 120–150 lb in. (14–17 N·m). Compliance with 250 CEB–72–3017 cancels this periodic inspection requirement.
SAL 1000 DI	22.	Remove, clean, operationally test, and reinstall the magnetic drain plugs: a. Standard type – check the chip detector end of the plugs for cracks. b. Quick disconnect – inspect the locking pins and flanged inserts for wear.	72–60–00, PARA 4.B.	Torque 60–80 lb in. (6.8–9.0 N·m). No cracks are acceptable. Check each chip detector separately.
SAL 1000 DI	23.	Inspect ignition lead for burning, chafing or cracking of conduit. Also, check for loose connectors and/or broken lockwire.	74–20–02, PARA 2.	
SAL 1000 DI		Perform operational check of ignitors.	74–20–01, PARA 2.B.	
SAL 1000 DI	24.	Remove, inspect, clean and reinstall the oil filter.	72–60–00. PARA 1.C.	
N/A	25.	Measure and record power turbine support pressure oil nozzle flow from scavenge oil strut. Record and retain flow record. Flow_____ Compare with previous flow. Any large deviation could indicate carbon buildup.	72–50–00, PARA 6.E.	While motoring N_1 to 16–18% the minimum flow is 90cc in 15 seconds.

LW593755 TABLE 603 (cont) CAE8902105 MAY 30 2007

INITIAL	150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
N/A	26. Drain the oil system and refill. Oil changed at: 150 hours: _____ 300 hours: _____ 600 hours: _____	72–00–00, PARA 8.D., Engine–Servicing.	6 months max. time limit. NOTE: With an STC approved external scavenge oil filter, oil change interval is 300 hours. NOTE: With an STC approved external scavenge oil filter, and using either Mobil 254 or Aeroshell 560 oils, the oil change interval is 600 hours. NOTE: Refer to 250 CSL–3126, Recommended Sequence, Engine Oil Change for additional instructions.
SAL 1000 DI	27. Service oil filter	72–60–00 , PARA 1.C.	If excessive carbon is found in the filter, inspect the scavenge and pressure oil system. Refer to 72–50–00 PARA 6.E., 6.F., 6.G., 6.H., 7.A., and 7.B.
SAL 1000 DI	28. Inspect P_c filter for proper clamping and security	73–20–03	
SAL 1000 DI	29. Without disassembly or removal of the P_c filter assembly from the mounting bracket, inspect using a 10X magnification and a bright light to detect any signs of cracks, paying particular attention to both of the end fittings at their junction with the end walls. If cracks are detected, remove assembly and comply with 250 CEB–A–75–3017.		Compliance with 250 CEB–A–75–3017 eliminates this inspection requirement.

LW593755 TABLE 604 CAE5902105 MAY 30 2007

INITIAL		300 HOUR INSPECTION In addition to the 150 hour inspection items, perform the following:	REFERENCE SECTION	REMARKS
SAL 1000 DI	1.	Inspect compressor mount for cracks.	72–00–00, PARA 1.A. (3), Engine–In-spection/ Check.3	
SAL 1000 DI	2.	Clean power turbine support scavenge oil strut.	72–50–00, PARA 6.G.	
SAL 1000 DI	3.	Clean external sump.	72–50–00, PARA 6.G.	
SAL 1000 DI	4.	Clean No. 1 bearing oil pressure reducer.	72–30–00, PARA 2.A. (1)	
SAL 1000 DI	5.	Clean pressure oil fitting screen assembly.	72–50–00, PARA 6.G.	
		CAUTION: EXTREME CARE SHOULD BE EXERCISED TO PREVENT TWISTING OF OIL NOZZLE DURING REMOVAL. DO NOT ATTEMPT TO STRAIGHTEN OR REUSE IF TWISTED.		
SAL 1000 DI	6.	Clean power turbine pressure oil nozzle.	72–50–00, PARA 6.G.	
	7.	Deleted		
SAL 1000 DI	8.	Remove, inspect, and reinstall the turbine pressure oil check valve.	72–60–00, PARA 2.K.	
SAL 1000 DI	9.	Inspect the fourth–stage turbine wheel–to–exhaust collector inner cone clearance.	72–00–00, PARA 1.A. (4), Engine–Inspection/ Check.	NOTE: Compliance with 250 CEB 72–3044 elimi–nates this inspection requirement.

TABLE 604 (cont)

LW593755 CAE8902105 MAY 30 2007

INITIAL	300 HOUR INSPECTION	REFERENCE SECTION	REMARKS
SAL 1000 DN	10. Inspect the rear engine mount for security and excessive bearing wear.	72–00–00, PARA 1.A. (5), Engine–Inspection/Check.	
SAL 1000 DN	11. Remove, clean inspect and reinstall the P_c filter.	73–20–03 PARA 2. and 3.	If engine performance deteriorates, P_c filter cleaning interval may have to be reduced.
	WARNING: PROPER TIGHTENING OF ENGINE TUBING CONNECTIONS IS CRITICAL TO FLIGHT SAFETY. CORRECT TORQUE VALUES MUST BE USED AT ALL TIMES. EXCESSIVE TORQUE ON PNEUMATIC SENSING SYSTEM CONNECTIONS RESULTS IN CRACKING OF THE FLARE CAUSING AN AIR LEAK WHICH CAN CAUSE FLAMEOUT, POWER LOSS OR OVERSPEED.		
SAL 1000 DI	12. Inspect N_1 shafting.	72–50–00, PARA 6.A.	NOTE: Compliance with 250 CEB 72–3059, 72–3096, 72–3100, A–72–3134 (twin engine applications), and A–72–3135 (single engine applications) eliminates this inspection requirement.
SAL 1000 DI	13. On power and accessory gearbox cover, check the applied torque on all turbine and exhaust collector support–to–gearbox retaining nuts.	72–50–00, para 1.B.	Torque must be 120–150 lb in. (14–17 N·m).

TABLE 605

INITIAL	600 HOUR INSPECTION The following inspection is required every 600 hours time since last inspection.	REFERENCE SECTION	REMARKS
N/A.	1. Perform scavenge oil filter impending bypass function check per Facet Service Bulletin No. 090589 (ref. Rolls–Royce CSL 3116) for all aircraft equipped with an external scavenge filter system.		

1. Approving national aviation authority/country	2.	3. Form tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARC100665

4. Approved organization name and address	5. Work order/contract/invoice
Standard Aero Limited, 33 Allen Dyne Road, Winnipeg, MB R3H 1A1 Canada AMO Approval No. 22-58	PO: 522007

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
01	Engine Assembly	23005290	N/A	1	CAE890210S	Repaired

13. Remarks

The product identified complete with (2) vibration brackets (less N2 Overspeed Control, Fuel Hose Assy & Start Counter) has been repaired to correct low power (OCC & Discharge Tubes were NDT inspected & pressure tested) (Compressor Assy had a 2000 hr spline inspection performed iaw CSL-A-3066R5 & a custom contour applied to the shroud housing) (Gearbox Assy had stud replacement; remainder had an external visual serviceability inspection) (Turbine Assy was overhauled) and tested in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Ed. 13th Rev. Dated 01/04/07, Maintenance Manual 14W2 6th Ed. 13th Rev. Dated 15/11/06 and the current maintenance rules of the Canadian Aviation Regulations. **150 & 300 hr inspections have been complied with (engine only) as indicated in the supplied checklist in accordance with Maintenance Manual 14W2 6th Ed. 13th Rev. Dated 15/11/06.** The following major part was replaced: Combustion Liner. **The product is released serviceable for return to service in compliance with CAR 571, FAR Part 43.17 and EASA Part 145 (reference EASA Acceptance Certificate EASA.145.7059).** All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of work performed are on file at this organization under Work Order LW593755.

TTSN: 11, 120.5 hrs TSO: 9500.0 hrs TCSN: 18, 795 cycles CSO: unk.

The Engine comprises of the following:

Module	P/N	S/N	TTSN	TSO	TCSN	CSO
Compressor	23051643	CAC90104	18, 277.1	16, 815.1	31, 967	29, 938
Gearbox	23035179	CAG90420	7684.8	3091.9	n/a	n/a
Turbine	23035128	CAT90340	12, 501.6	0.0	21, 376	0

14. Certifies that the items identified above were manufactured in conformity to:	19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.
☐ Approved design data and are in condition for safe operation. ☐ Non approved design data specified in block 13.	☒ CAR 571.10 Maintenance release. ☒ Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A	Rebecca Perrault	SAL 661 QI AMO 22-58
17. Name	**18. Date (dd/mmm/yyyy)**	**22. Name**	**23. Date (dd/mmm/yyyy)**
N/A	N/A	Rebecca Perrault	30 May, 2007

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

STANDARD AERO

Rolls-Royce

ENGINE TEST RESULTS

Model 250-C30SE REPAIR

Customer: CANADIAN HELICOPTERS LIMITED *
Date: 12-SEP-2005
TCN: LW542356
S/O: CFMT0

Engine S/N: CAE890210
Comp S/N: CAC90104S
Turbine S/N: CAT90340
Gearbox S/N: CAG90420
RGB S/N: N/A

Engine performance data corrected to sea level, static (unity ram) standard day

Setting	CRC	CRB	CRA	NCR	TO	2.5 Min
GPTOT				1282.0	1368.0	1424.0
SHP				603.4	686.7	737.9
Min Allow	334.0	418.0	501.0	557.0	650.0	700.0
% Var				**+8.33 %**	**+5.65 %**	**+5.42 %**
SFC	0.704	0.646	0.611	0.586	0.575	0.570
Max Allow	0.727	0.665	0.624	0.607	0.592	0.588
% Var	**-3.16 %**	**-2.86 %**	**-2.08 %**	**-3.46 %**	**-2.87 %**	**-3.06 %**
T/M Calibration at 700 HP = 99 PSIG						

Seal Vent Orifice Size = -4

I hearby certify that the engine identified above has been tested in accordance with Rolls-Royce overhaul manual 14W3 ED2 REV 11 01 APR 2005 for the specified workscope.

SAL 303 QI

Standard Aero Ltd.

28 SEP. 2005

STANDARD AERO

Rolls-Royce

ENGINE TEST RESULTS

Model 250-C30SE

Customer: CANADIAN HELICOPTERS LIMITED *
Date: 14-FEB-2004
TCN: LW468739

Engine S/N: CAE890210S
Comp S/N: CAC90104S
Turbine S/N: CAT90340
Gearbox S/N: CAG90453
RGB S/N: N/A

Engine performance data corrected to sea level, static (unity ram) standard day

Setting	CRC	CRB	CRA	NCR	MC	2.5 Min
GPTOT				1240.0	1317.0	1371.0
SHP				558.3	636.9	688.9
Min Allow	334.0	418.0	501.0	557.0	650.0	700.0
% Var				**+0.23 %**	**-2.02 %**	**-1.59 %**
SFC	0.723	0.659	0.621	0.603	0.587	0.580
Max Allow	0.719	0.665	0.624	0.607	0.592	0.588
% Var	**+0.56 %**	**-0.90 %**	**-0.48 %**	**-0.66 %**	**-0.84 %**	**-1.36 %**
T/M Calibration at 700 HP = 99.48 PSIG						

Seal Vent Orifice Size = -4

I hearby certify that the engine identified above has been tested in accordance with Rolls-Royce overhaul manual 14W3 ED2 REV 9 01 MAR 03 for the specified workscope.

Rebecca Perrault

T.A.L. 661 Q.I

Standard Aero Ltd.

27 FEV. 2004

STANDARD AERO

Rolls-Royce

ENGINE TEST RESULTS

Model 250-C30SE REPAIR

Customer: CANADIAN HELICOPTERS LIMITED *
Date: 21-AUG-2003
TCN: LW468708

Engine S/N: CAE890210S
Comp S/N: CAC90104S
Turbine S/N: CAT90340
Gearbox S/N: CAG90453
RGB S/N: N/A

Engine performance data corrected to sea level, static (unity ram) standard day

Setting	CRC	CRB	CRA	NCR	TO	2.5 Min
GPTOT				1282.0	1368.0	1424.0
SHP				605.3	699.3	759.2
Min Allow	334.0	418.0	501.0	557.0	650.0	700.0
% Var				**+8.67 %**	**+7.58 %**	**+8.46 %**
SFC	0.700	0.647	0.613	0.585	0.568	0.560
Max Allow	0.727	0.665	0.624	0.607	0.592	0.588
% Var	**-3.71 %**	**-2.71 %**	**-1.76 %**	**-3.62 %**	**-4.05 %**	**-4.76 %**
T/M Calibration at 700 HP = 98.77 PSIG						

Seal Vent Orifice Size = -4

I hearby certify that the engine identified above has been tested in accordance with Rolls-Royce overhaul manual 14W3 ED2 REV 8 01 NOV 01 for the specified workscope.

S.A.L. 501 Q.I.

Standard Aero Ltd.

27 AOUT 2003

STANDARD AERO

Rolls-Royce

ENGINE TEST CERTIFICATE

Model 250-C30SE

Customer: CANADIAN HELICOPTERS LIMITED *
Date: 23-MAY-2003
TCN: LW443251

Engine S/N: CAE890210S
Comp S/N: CAC90340
Turbine S/N: CAT90340
Gearbox S/N: CAG90453
RGB S/N: N/A

Engine performance data corrected to sea level, static (unity ram) standard day

Setting	CRC	CRB	CRA	NCR	MC	2.5 Min
GPTOT				1240.0	1317.0	1371.0
SHP				570.8	653.0	702.7
Min Allow	334.0	418.0	501.0	557.0	650.0	700.0
% Var				+2.48 %	+0.46 %	+0.39 %
SFC	0.711	0.646	0.609	0.589	0.576	0.573
Max Allow	0.719	0.665	0.624	0.607	0.592	0.588
% Var	-1.11 %	-2.86 %	-2.4 %	-2.97 %	-2.7 %	-2.55 %
T/M Calibration at 700 HP = 98.75 PSIG						

Seal Vent Orifice Size = -4

I hearby certify that the engine identified above has been tested and meets manufacturer's specifications described in Rolls-Royce overhaul manual.

14W3 ED2 REV 8 01 NOV 01

S.A.L. 501 Q.I.

Standard Aero Ltd.

ACRO

Thursday, April 05, 2001
5:17:55 PM

A250 PERFORMANCE REPORT

Customer: Chl-East

Model: A250 - C30S Enh

Test Type: Repair

Work Order: 20-13072

Engine S/N: CAE890210

OBSERVED DATA

Baro: 1008 mBar LHV: 18566 BTU/lb Dyno: 6016 RPM N2: 30650 RPM

	PT1	PT2	PT3	PT4	PT5	PT6	PT7	
N1	46100	47620	49120	50080	50940	51560	51900	rpm
Trq	316	394	472	510	567	611	627	ft-lb
T2	53	52	52	53	53	52	53	F
TOT	1020	1094	1162	1215	1269	1309	1330	F
Wf	246	281	321	342	375	399	410	pph
Tf	49	49	49	49	49	49	49	F
T/M	52.0	64.8	77.2	83.2	92.7	99.5	102.4	psig
PT2	1007	1007	1008	1007	1007	1007	1007	mBar
CDP	84.4	93.7	102.1	106.8	112.8	117.5	118.8	psig
PS7	1004	1004	1003	1003	1002	1001	1001	mBar

TESTED IN ACCORDANCE WITH: 14W3

REDUCED DATA

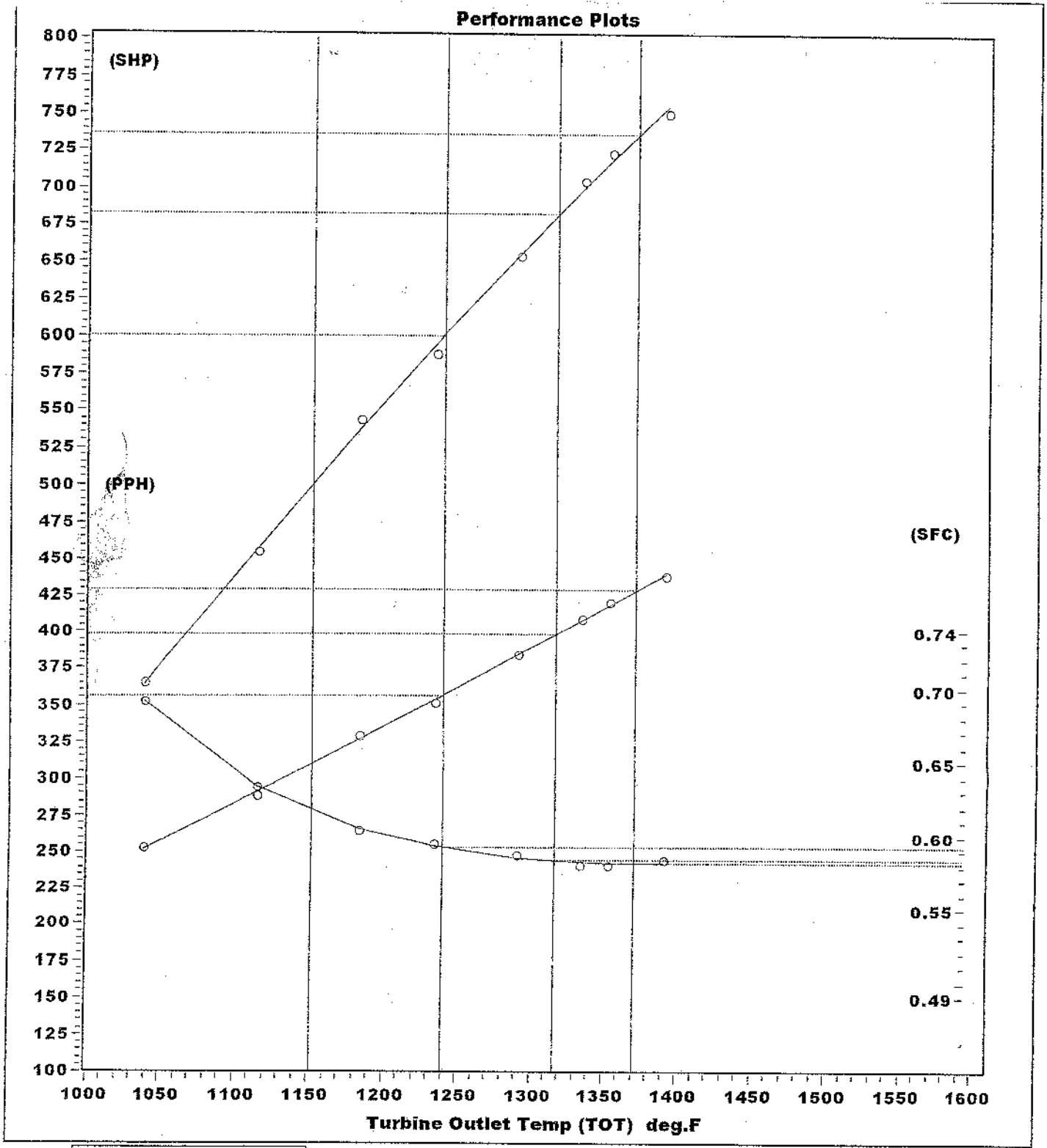
	PT1	PT2	PT3	PT4	PT5	PT6	PT7	
BARO	29.85	29.85	29.85	29.85	29.85	29.85	29.85	"Hg
PT2	29.82	29.82	29.85	29.82	29.82	29.82	29.82	"Hg
PS7	29.73	29.73	29.70	29.70	29.67	29.64	29.64	"Hg
TOT	1039	1115	1184	1235	1291	1335	1354	F
SHP	365	455	544	588	654	705	723	HP
WF	252	288	329	350	384	409	420	PPH
SFC	0.692	0.633	0.605	0.595	0.587	0.581	0.581	

Operator 1: D Chan

Operator 2: L Lim

T5 Ohms: 0.30

Comment: Turb. overhaul,G/B & Comp.repaired



A250 - C30S Enh

	Cr. A	N. Cr.	T.O.	2.5 Min.
TOT	1240.0	1317.0	1371.0	
SHP	600.6	681.9	735.8	
WF	355.9	398.0	428.3	
SFC	0.593	0.584	0.582	
%SHP	7.8	4.9	5.1	
%SFC	-2.4	-1.4	-1.0	

C30S

%SHP		11.9	8.0	7.2
%SFC	-1.2	-2.9	-1.6	-1.0

C30

%SHP		15.9	12.7	12.3
%SFC	-1.2	-3.4	-1.7	-0.8

ACRO

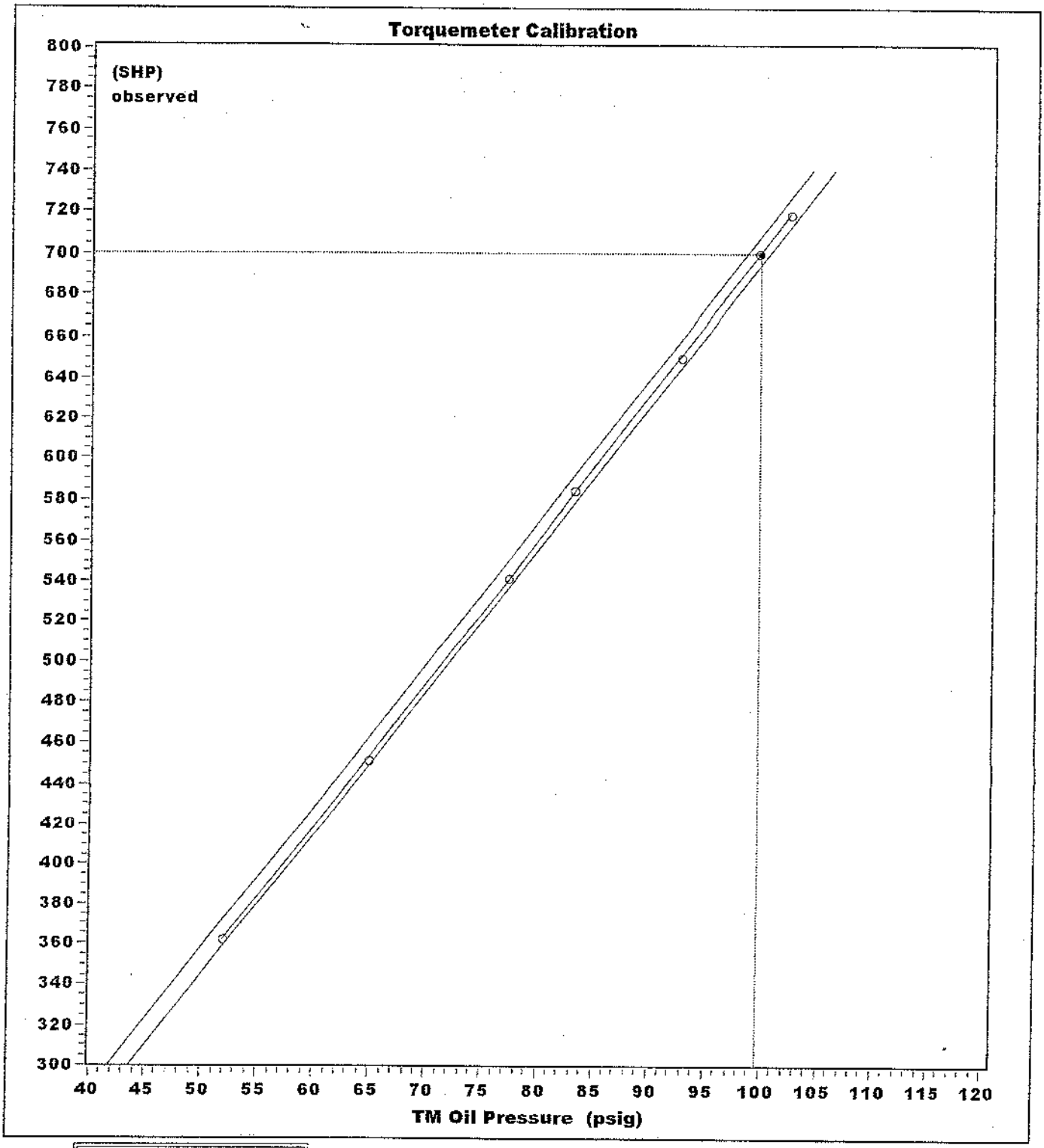
W/O: 20-13072

S/N: CAE890210

Thursday, April 05, 2001

5:18:07 PM

Inspector:



A250 - C30S Enh

PSIG	@	SHP
48.1		334.0
59.9		418.0
71.6		501.0
79.5		557.0
92.6		650.0
99.7		**700.0**

ACRO

W/O: 20-13072
S/N: CAE890210

Thursday, April 05, 2001
5:18:16 PM

Inspector:

Sept. 15/05

TABLE 603

LW 5+12 356 S/N CAE 890210

INITIAL	150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
MH	1. Inspect the engine for obvious loose bolts, broken or loose connections, security of mounting accessories, and broken or missing safeties. Check accessible areas for obvious damage and evidence of fuel and oil leakage. Check B–nuts for presence and alignment of torque stripes. B–nuts with missing torque stripes must be loosened and retightened, before application of new torque stripes.		
MH	2. Inspect the compressor impeller leading edges for damage.	72–30–00, para 4.B.	
MH	3. Clean the compressor, as required, with a chemical wash solution if dirt buildup is evident.	72–30–00, para 5.B.	
MH	4. Without disassembly, inspect the turbine and exhaust collector supports for condition of welded joints, cracks and buckling.	72–50–00, para 6.L. and para 8.B.	
MH	5. Using a small mirror and a flashlight, inspect flow divider inside turbine and exhaust collector support for cracks or separated tack welds. If cracking of sheet metal or welds is found but limits are not exceeded, inspect every 25 hours until support is repaired, flow divider is removed, or limits are exceeded.	72–50–00, para 6.L. and para 8.B.	Compliance with 250 CEB 72–3040 eliminates this inspection requirement.
MH	6. Inspect the engine fuel system for evidence of leakage. Check condition and security of fittings and tubing. Check fuel control lever for freedom of operation and full travel. Check condition and security of all linkages.	73–00–00, para 2.A.	
MH	7. Inspect the engine mounts for condition and security.		
MH	8. Perform a detailed visual inspection of the outer combustion case. Using a bright light (flashlight or equivalent), inspect all weld areas for cracks.	72–40–00, para 2.B.(1)	Outer combustion cases without brazed reinforcement wire patches, comply with inspection requirements of 250 CEB–A–72–3115.

Lap 15/65

TABLE 603 (cont)

LW 542356 S/N CAE 890210

INITIAL	150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
MH	9. Inspect electrical harness for loose, chafed, frayed, or broken wires and loose connectors.		
MH	10. For aircraft with external energy absorbing ring installed, inspect ring upper bracket for cracks.		Reference 250 CEB–A–72–3124, Revision No. 1
MH	11. Check oil supply level.	72–00–00, Table 101 Trouble–shooting, items 17 and 18.	If the engine has been idle for more than 15 minutes, motor the engine for 30 seconds to scavenge any oil that may have drained into the gearbox from the oil tank. Failure to completely scavenge the oil from the gearbox will cause a false indication of high oil consumption. See Post Flight Check No. 3
	CAUTION: NORMAL ENGINES USE A MINIMAL AMOUNT OF OIL. HOWEVER, ANY SUDDEN INCREASE IN OIL CONSUMPTION IS INDICATIVE OF OIL SYSTEM PROBLEMS AND MUST BE CORRECTED.		
	NOTE: Check oil supply level within 15 minutes of engine shutdown.		
MH	12. Inspect for extension of impending oil filter bypass indicator. If indicator is extended, clean oil filter.	72–60–00, PARA 1.C.	It is possible for the impending oil filter bypass indicator to extend during a start of a cold soaked engine, giving an erroneous indication of a dirty oil filter. If the impending filter bypass indicator is extended, run the engine until the oil is at operating temperature and push the indicator button in. If the button remains in throughout the normal speed range of the engine, the filter does not require cleaning.

Sept 15/05

TABLE 603 (cont) LW 542356 S/N CAE890210

INITIAL	150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
	CAUTION: WHEN THERE IS EVIDENCE THAT THE AIRFRAME OR ENGINE FUEL FILTER HAS BEEN BYPASSED, THE GAS PRODUCER FUEL CONTROL INLET FILTER, THE FUEL NOZZLE FILTER, MUST BE CLEANED. (REFER TO SPECIAL INSPECTIONS, 72-00-00, TABLE 607) IF ANY CONTAMINATION IS FOUND IN THE FUEL NOZZLE FILTER, THIS WILL REQUIRE THAT THE FUEL CONTROL BE SENT TO AN AUTHORIZED REPAIR FACILITY FOR INTERNAL CLEANING. REFERENCE MUST ALSO BE MADE TO THE AIRFRAME MAINTENANCE MANUAL FOR FUEL SYSTEM MAINTENANCE FOLLOWING FUEL CONTAMINATION.		
roH	13. Inspect for extension of impending fuel filter bypass indicator.	73-10-05, PARA 2. 73-20-02, PARA 5.A.	If indicator is extended, replace fuel filter. Inspect fuel filter in the fuel control and the filter in the fuel nozzle. Ground run engine to assure proper operation of control system.
roH	13.A. Clean and inspect the fuel nozzle. If no airframe mounted fuel filter is installed, inspect the fuel nozzle filter.	73-10-03	Install fuel nozzle with proper number of spacers.
roH	14. Record component changes, inspections, and compliance with technical instructions as required. Report engine difficulties to Rolls-Royce and/or Authorized Maintenance Center (AMC) on Model 250 report, Form 8117-1 (Rev. 5-94) as required.		
roH	15. Without disassembly, check the compressor discharge air tubes. Inspect for air leaks, dents, cracks, chafing, and proper clamping.	72-40-00, Table 203.	
roH	16. Inspect compressor scroll for cracks. Pay particular attention to welded areas.		
roH	17. Clean the burner drain valve.	72-40-00, PARA 3.	Ensure that the airframe overboard is clear. Refer to aircraft manual for maintenance procedures.
roH	18. Inspect the anti-icing, bleed air, and overspeed solenoid valves for loose, chafed, frayed or broken wires, loose connections and security of attachment.		

Sept 15/05

TABLE 603 (cont) L40 542356 S/B CAE 890210

INITIAL	150 HOUR INSPECTION	REFERENCE SECTION	REMARKS
	26. Drain the oil system and refill. Oil changed at: 150 hours: _____ 300 hours: _____ 600 hours: _____	72–00–00, PARA 8.D., Engine–Servicing.	6 months max. time limit. NOTE: With an STC approved external scavenge oil filter, oil change interval is 300 hours. NOTE: With an STC approved external scavenge oil filter, and using either Mobil 254 or Aeroshell 560 oils, the oil change interval is 600 hours. NOTE: Refer to 250 CSL–3126, Recommended Sequence, Engine Oil Change for additional instructions.
	27. Service oil filter	72–60–00, PARA 1.C.	If excessive carbon is found in the filter, inspect the scavenge and pressure oil system. Refer to 72–50–00 PARA 6.E., 6.F., 6.G., 6.H., 7.A., and 7.B.
	28. Inspect P_c filter for proper clamping and security	73–20–03	
	29. Without disassembly or removal of the P_c filter assembly from the mounting bracket, inspect using a 10X magnification and a bright light to detect any signs of cracks, paying particular attention to both of the end fittings at their junction with the end walls. If cracks are detected, remove assembly and comply with 250 CEB–A–75–3017.		Compliance with 250 CEB–A–75–3017 eliminates this inspection requirement.

Sept. 15/05

TABLE 604 LW 542356 S/N CAE 890240

INITIAL	300 HOUR INSPECTION In addition to the 150 hour inspection items, perform the following:	REFERENCE SECTION	REMARKS
ROH	1. Inspect compressor mount for cracks.	72–00–00, PARA 1.A. (3), Engine–Inspection/ Check 3	
ROH	2. Clean power turbine support scavenge oil strut.	72–50–00, PARA 6.G.	
ROH	3. Clean external sump.	72–50–00, PARA 6.G.	
ROH	4. Clean No. 1 bearing oil pressure reducer.	72–30–00, PARA 2.A. (1)	
ROH	5. Clean pressure oil fitting screen assembly.	72–50–00, PARA 6.G.	
	CAUTION: EXTREME CARE SHOULD BE EXERCISED TO PREVENT TWISTING OF OIL NOZZLE DURING REMOVAL. DO NOT ATTEMPT TO STRAIGHTEN OR REUSE IF TWISTED.		
ROH	6. Clean power turbine pressure oil nozzle.	72–50–00, PARA 6.G.	
	7. Deleted		
ROH	8. Remove, inspect, and reinstall the turbine pressure oil check valve.	72–60–00, PARA 2.K.	
ROH	9. Inspect the fourth–stage turbine wheel–to–exhaust collector inner cone clearance.	72–00–00, PARA 1.A. (4), Engine–Inspection/ Check.	NOTE: Compliance with 250 CEB 72–3044 eliminates this inspection requirement.

Sept 15/02

TABLE 604 (cont)

LW 542356 S/N CAE890210

INITIAL		300 HOUR INSPECTION	REFERENCE SECTION	REMARKS
MH	10.	Inspect the rear engine mount for security and excessive bearing wear.	72–00–00, PARA 1.A. (5), Engine–Inspection/Check.	
MH	11.	Remove, clean inspect and reinstall the P_c filter.	73–20–03 PARA 2. and 3.	If engine performance deteriorates, P_c filter cleaning interval may have to be reduced.
		WARNING: PROPER TIGHTENING OF ENGINE TUBING CONNECTIONS IS CRITICAL TO FLIGHT SAFETY. CORRECT TORQUE VALUES MUST BE USED AT ALL TIMES. EXCESSIVE TORQUE ON PNEUMATIC SENSING SYSTEM CONNECTIONS RESULTS IN CRACKING OF THE FLARE CAUSING AN AIR LEAK WHICH CAN CAUSE FLAMEOUT, POWER LOSS OR OVERSPEED.		
MH	12.	Inspect N_1 shafting.	72–50–00, PARA 6.A.	NOTE: Compliance with 250 CEB 72–3059, 72–3096, 72–3100, A–72–3134 (twin engine applications), and A–72–3135 (single engine applications) eliminates this inspection requirement.
MH	13.	On power and accessory gearbox cover, check the applied torque on all turbine and exhaust collector support–to–gearbox retaining nuts.	72–50–00, para 1.B.	Torque must be 120–150 lb in. (14–17 N.m).

TABLE 605

INITIAL		600 HOUR INSPECTION The following inspection is required every 600 hours time since last inspection.	REFERENCE SECTION	REMARKS
MH	1.	Perform scavenge oil filter impending bypass function check per Facet Service Bulletin No. 090589 (ref. Rolls–Royce CSL 3116) for all aircraft equipped with an external scavenge filter system.		

Sept 15/05

TABLE 606

LW 542 356 S/N CAE 890210

INITIAL		2000 HOUR INSPECTION The following inspections are required every 2000 hours time since last inspection.	REFERENCE SECTION	REMARKS
RH	1.	Fuel control filter inspection.	73–20–02, PARA 5.A.	
RH	2.	Fuel nozzle filter inspection	73–10–03, PARA 2.A.	
RH	3.	Remove and replace the low pressure fuel filter element. Before discarding filter, inspect for signs of contaminants. If any are found, inspect the entire fuel system and clean if necessary.	73–10–05, PARA 2.	
RH	4.	Inspect the combustion liner.	72–40–00, PARA 1.C.	
RH	5.	Inspect the outer combustion case for cracks using Leak–Tek and/or dye penetrant.	72–40–00, PARA 2.B.(2), (3), and (4)	
RH	6.	Inspect the compressor discharge air tubes.	72–40–00, PARA 4.C.	
RH	7.	Inspect the N_2 overspeed mounting dampers.	73–21–00, PARA 7.B.	
RH	8.	Inspect the spur adapter gearshaft, compressor rotor splined adapter and associated impeller bore.	72–30–00, PARA 4.B.(2), 4.C. and 4.E.	
RH	9.	Inspect the turbine to compressor coupling, turbine splined adapter, power turbine inner shaft and turbine shaft–to–pinion gear coupling.	72–50–00, PARA 6.A. and 6.B.	Turbine to compressor coupling is part of the turbine assembly.
		NOTES: The following inspections are recommended whenever the turbine or compressor is removed in–between the required 2000 hour inspection. Anytime the compressor is removed from the engine, visually inspect the aft end of the spur adapter gearshaft for worn or damaged spines. Anytime the turbine is removed from the engine visually inspect the splines on the following items, turbine–to–compressor coupling, turbine splined adapter, power turbine outer shaft and turbine shaft–to–pinion gear coupling for worn or damaged splines. If spline wear or damage is observed the appropriate maintenance action is required. (Refer to item 6 and 7 above). Inspection intervals shall not exceed 2000 hours.		

Transports Canada | Transport Canada

Aircraft Maintenance
700 Leigh Capreol
Dorval, Québec
H4Y 1G7

Votre référence Your file

Notre référence Our file
5258-3-11988 (NAHY)
SGDDI :3922983

February 20 2008

Mr. Wojtek Slupek
Quality Assurance Manager
Helicoptères Canadiens Limitée
1215 Montée Pilon
Les Cèdres, Québec
J7T 1G1

Subject : Application for TBO increase for one fuel pump extension authorisation

Mr. Wojtek;

In reference to your request dated 2008, February 20, the office concurs with your request to increase to 3500 hrs the TBO for the one fuel pump p / n : 6896810 s / n : T0350. T.B.O.extension per Rolls-Royce Corporation PRPL 1-36 (FAA Approuved) dated January 1 , 2004 and CSL- 3063, Rev.3 dated April 30,1996.

An amendment to the Sikorsky S76A a/c: GIMN, s/n: 760110 (reference documents to reflect the T.B.O. extended to 3500 hrs) .

Should you require any additional information, please contact the undersigned at (514) 633-2846.

Donald White

Donald White
Civil Aviation Safety Inspector
Aircraft Maintenance

DW

Canada

STANDARD AERO

Fax Message

DATE: February 19, 2008

TO: Wojtek Slupek
Canadian Helicopters Limited

FILE #: 98003

FAX NUMBER: (450) 452-2483

FROM: Jennifer Harding

FAX NUMBER: (204) 788-5499

PHONE NUMBER: (204) 788-2156

NUMBER OF PAGES INCLUDING COVER SHEET: 2

This fax provides the approval for Canadian Helicopters Limited, to operate the following unit to the extended TBO listed:

UNIT NAME	PART NUMBER	SERIAL NUMBER	EXTENDED
Fuel Pump	6896810	T0350	3500 hrs

The above listed unit is approved for TBO extension per Rolls-Royce Corporation **PRPL 1-36** (FAA Approved) dated January 1, 2004 and **CSL-3063 Rev 3** dated April 30, 1996. An Orange TBO extension card has been sent by mail to you.

Permission must still be obtained from Transport Canada Airworthiness office before exceeding the existing TBO period.

Please notify Standard Aero, Winnipeg, should any difficulties arise in the operation of the unit during the extension period. All TBO extended units should be processed as TBO exhibits when the extension limit is reached.

Thank you,

Jenn Harding
Customer Service Representative, Accessories, Helicopter Programs
☎ Phone: (204) 788-2156
Fax: (204) 788-5499
e-mail: Jennifer_Harding@standardaero.com

UNSERVICEABLE
Canadian Helicopters Limited

Removal Reason: TIMEX ✓ TROUBLESHOOTING _____ MOD _____

SNAG			INCIDENT		
☐ BURNT	☐ DROOP/OS		☐ FOD	☐ OVERTORQUE	
☐ CORRODED	☐ METAL		☐ HARD LDG	☐ OTHER IN	
☐ CRACK	☐ OTHERSNG		☐ LIGHTNING		
☐ DELAM	☐ SMOKE		☐ MRSTRIKE		
☐ EROSION	☐ STALL		☐ TRSTRIKE		
☐ LEAK	☐ WORN		☐ OVERSPEED		
☐ LOWPOWER			☐ OVERTEMP		

Other Details / Special Instructions for **VENDOR** Warranty Requested ☐

DUE FOR O/H

1215 Montée Pilon,
Les Cèdres, QC, J7T 1G1
Fax : 450 452-3098
E-mail : stores@canadianhelicopters.com

UNSERVICEABLE
Canadian Helicopters Limited

Form CH-04

A.M.O. 165-93
Effective Date : 16-Oct-2008

Description FCU JUL 0 8 2010

Part No. 23070613 Serial No. BR 54131

TSN 4798.2 TSO 2442.8 Hrs. This Inst. 796.6

* Refer to Component Installed Report to verify times

Removed from A/C C-GIMT Log Page (or ATA) & Item # 17-046769 #1

A/F Time 19895.1 Cycles/RIN/LDG #1 ENG 25252

Previous Certification of Replacement Part (A/C Reg., PO # or WO #)

PO 527458

30 JUNE 2010 C Lewis #1262

Date Removed (d/m/y) Signature & Approval #

ENTER **REMOVAL CODE** & Other Details / Special Instructions for **VENDOR** on Reverse Side

Removed for OH shop JK

1. Approving national aviation authority/country	2.	3. Form Tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARCL238150

4. Approved organization name and address	5. Work Order/Contract/Invoice
StandardAero STANDARD AERO 33 ALLEN DYNE WINNIPEG, MANITOBA, CANADA, R3H 1A1 AMO Approval No. 22-58	L726507

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/Work
01	C30 GOVERNOR	23086751	N/A	1	BR45532	Overhauled

13. Remarks TSN: 1991.5 TSO: 0.0

The product identified has been overhauled and tested in accordance with Rolls Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/06/04 and the current maintenance rules of the Canadian Aviation Regulation. The product is approved for return to service in compliance with CAR 571, FAR Part 43.17, and EASA Part-145 (reference EASA Approval Certificate EASA.145.7059). All pertinent details of the work performed are on file at this organization under Work Order No. L726507.

CEB 73-3126R2: EMBODIED.

PO# 525548

14. Certifies that the items identified above were manfactured in conformity to:	19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.
☐ Approved design data and are in condition for safe operation. ☐ Non approved design data specified in block 13.	[X] CAR 571.10 Maintenance release. [X] Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A	Ray Janzen	SAL 858 QI AMO Approval No. 22-58
17. Name	**18. Date (dd/mmm/yyyy)**	**22. Name**	**23. Date (dd/mmm/yyyy)**
N/A	N/A	RAY JANZEN	19-Dec-2008

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

12/09/2001

1. Approving national aviation authority/country	2.	3. Form tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARC# 107670

4. Approved organization name and address	5. Work order/contract/invoice
Standard Aero Limited, 33 Allen Dyne Road, Winnipeg, MB R3H 1A1 Canada AMO Approval No. 22-58	L593415

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
1	FUEL NOZZLE	23077067	N/A	1	1ZJ03850	OVERHAULED

13. Remarks

The product identified above has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 11 Dated 01/Apr/05 and the current maintenance rules of the Canadian Aviation Regulation .The product is approved for return to service in compliance with CAR 571, FAR Part 43.17 and EASA Part 145(ref. EASA Acceptance Certificate EASA 145. 7059).All pertinent details of the work preformed are on file at this organization under Work Order: L593415.

TSN: UNK. TSO: 0.0HRS.

AD 2004-24-09,CEB A-73-3118R1: EMBODIED.

14. Certifies that the items identified above were manufactured in conformity to:	19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.
☐ Approved design data and are in condition for safe operation. ☐ Non approved design data specified in block 13.	☒ CAR 571.10 Maintenance release. ☒ Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A		SAL 341 QI AMO 22-58 EASA 145.7059
17. Name	**18. Date (dd/mmm/yyyy)**	**22. Name**	**23. Date (dd/mmm/yyyy)**
N/A	N/A	CUC PHAN	16/Mar/2006

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

1. Approving national aviation authority/country	2.	3. Form Tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARCL239845

4. Approved organization name and address	5. Work Order/Contract/Invoice
StandardAero STANDARD AERO 33 ALLEN DYNE WINNIPEG, MANITOBA, CANADA, R3H 1A1 AMO Approval No. 22-58	L726758

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/Work
01	C30S ARGOTECH FUEL PUMP	6896810	N/A	1	T0350	Overhauled

13. Remarks

The product identified above has been overhauled and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/Jun/2004 and the current maintenance rules of the Canadian Aviation Regulation .The product is approved for return to service in compliance with CAR 571, FAR Part 43.17 and EASA Part 145(ref. EASA Approval Certificate EASA 145. 7059).All pertinent details of the work preformed are on file at this organization under Work Order: L726758

TSN: UNK. TSO: 0.0HRS.

PO# 525760

14. Certifies that the items identified above were manfactured in conformity to:

- ☐ Approved design data and are in condition for safe operation.
- ☐ Non approved design data specified in block 13.

19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.

- ☒ CAR 571.10 Maintenance release.
- ☒ Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A		SAL 341 QI AMO Approval No. 22-58
17. Name	**18. Date (dd/mmm/yyyy)**	**22. Name**	**23. Date (dd/mmm/yyyy)**
N/A	N/A	CUC PHAN	13-Jan-2009

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthinss authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

12/09/2001

1. Country/Country Transport Canada	2. AUTHORIZED RELEASE CERTIFICATE FORM ONE	3. Form Tracking No. ARCL274577

4. Organization name and address

StandardAero

STANDARD AERO LTD
33 ALLEN DYNE
WINNIPEG, MANITOBA, CANADA, R3H 1A1 AMO Approval No. 22-58

5. Work Order/Contract/Invoice
L759683

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/batch No.	11. Status/Work
01	C30 FUEL CONTROL	23070613	1	332717	Overhauled

12. Remarks

The product identified above has been overhauled and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/Jun/2004 and the current maintenance rules of the Canadian Aviation Regulation .The product is approved for return to service in compliance with CAR 571, FAR Part 43.17 and EASA Part 145(ref. EASA Approval Certificate EASA 145. 7059).All pertinent details of the work performed are on file at this organization under Work Order: L759683

TSN: UNK. TSO: 0.0HRS.

PO# 527452

CEB A-73-3075R1: EMBODIED.

13a. Certifies that the items identified above were manufactured in conformity to:

☐ Approved design data and are in condition for safe operation.

☐ Non approved design data specified in block 12.

14a. ☒ **CAR 571.10 Maintenance release.**

☒ **Other regulations specified in block 12.**

Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 was performed in accordance with Canadian Aviation Regulations.

13b. Signature	13c. Approved Organization Number	14b. Signature	14c. Approved Organization Number
N/A	N/A		SAL 341 QI — AMO Approval No. 22-58
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
N/A	N/A	CUC PHAN	02-Oct-2009

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 13a and 14a do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

(Previously Form 24-0078)

1. Approving Civil Aviation Authority/Country	2.	3. Form Tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE FORM ONE	ARCL273800

4. Organization name and address

StandardAero

STANDARD AERO LTD
33 ALLEN DYNE
WINNIPEG, MANITOBA, CANADA, R3H 1A1 AMO Approval No. 22-58

5. Work Order/Contract/Invoice

L759727

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/batch No.	11. Status/Work
01	C30 BLEED VALVE	23073353	1	FF30423	Overhauled

12. Remarks

The product identified above has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 15 Dated 01/Apr/09 and the current maintenance rules of the Canadian Aviation Regulation .The product is approved for return to service in compliance with CAR 571, FAR Part 43.17 and EASA Part 145(ref. EASA Approval Certificate EASA 145. 7059).All pertinent details of the work performed are on file at this organization under Work Order: L759727

TSN: UNK. TSO: 0.0HRS.

PO# 527488

13a. Certifies that the items identified above were manfactured in conformity to:

☐ **Approved design data and are in condition for safe operation.**

☐ **Non approved design data specified in block 12.**

14a. ☒ **CAR 571.10 Maintenance release.**

☒ **Other regulations specified in block 12.**

Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 was performed in accordance with Canadian Aviation Regulations.

13b. Signature	13c. Approved Organization Number	14b. Signature	14c. Approved Organization Number
N/A	N/A		SAL 341 QI — AMO Approval No. 22-58
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
N/A	N/A	CUC PHAN	25-Sep-2009

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 13a and 14a do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

(Previously Form 24-0078)

1. Approving national aviation authority/country	2.	3. Form tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARC# 87433
4. Approved organization name and address Standard Aero Limited, 33 Allen Dyne Road, Winnipeg, MB R3H 1A1 Canada AMO Approval No. 22-58		5. Work order/contract/invoice L517651 PO# 516551

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
1	P.T.GOVERNOR	23070101(2524692-11 LI 9,10)	N/A	1	25496	OVERHAULED

13. Remarks

The product identified above has been overhauled and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 6 Dated 10/Feb/03 and the current maintenance rules of the Canadian Aviation Regulation .The product is approved for return to service in compliance with CAR 571, FAR Part 43.17 and JAR 145(ref. JAA Acceptance Certificate JAA 7059).All pertinent details of the work preformed are on file at this organization under Work Order: L517651.

TSN: 8281.6HRS. TSO: 0.0HRS.

14. Certifies that the items identified above were manufactured in conformity to:	19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.
☐ Approved design data and are in condition for safe operation. ☐ Non approved design data specified in block 13.	☒ CAR 571.10 Maintenance release. ☒ Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A		SAL 341 O.I. AMO 22-58 JAA.7059
17. Name	18. Date (dd/mmm/yyyy)	22. Name	23. Date (dd/mmm/yyyy)
N/A	N/A	CUC PHAN	23/Jun/2004

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

1. Approving national aviation authority/country	2.	3. Form tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARC 72511

4. Approved organization name and address	5. Work order/contract/invoice
Standard Aero Limited, 33 Allen Dyne Road, Winnipeg, MB R3H 1A1 Canada AMO Approval No. 22-58	LW468708

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
1	Engine Assembly	23005290	N/A	1	CAE 890210	Repaired

13. Remarks

Engine P/N 23005290 S/N CAE 890210 (less fuel control) has been repaired (Compressor exchanged, Turbine serviceability inspection, Gearbox serviceability inspection) for stalling and tested in accordance with Rolls-Royce Model 250-C30 Overhaul Manual 14W3 2nd Ed., 8th Rev., dated November 1, 2001, and the current maintenance rules of the Canadian Aviation Regulations. The engine is approved for return to service following a completion of satisfactory functional test while installed in the airframe. The work performed is approved in compliance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW468708.

T.T.S.N. 9221.2 Hours T.T.S.O. 7600.7 Hours T.C.S.N. 14357 Cycles T.C.S.O. Unknown Cycles.

The engine comprises of the following main components:

Module	Part Number	Serial Number	TSN	TSO	CSN	CSO
Compressor	23052270	CAC 90104	16377.8	14915.8	27243	25214
Gearbox	23035179	CAG 90453	6815.9	N/P	N/A	N/A
Turbine	23033195	CAT 90340	10602.3	106.7	16938	258

14. ~~Certifies that the items identified above were manufactured in conformity to:~~

☐ ~~Approved design data and are in condition for safe operation.~~

☐ ~~Non approved design data specified in block 13.~~

19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.

☒ CAR 571.10 Maintenance release.

☒ Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A	Zorniak	S.A.L. 501 Q.I. AMO 22-58 JAA.7059
17. Name	18. Date (dd/mmm/yyyy)	22. Name	23. Date (dd/mmm/yyyy)
N/A	N/A	Duane Zorniak	August 22, 2003

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

27 AOUT 2003

1. Approving national aviation authority/country	2.	3. Form tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARC72802

4. Approved organization name and address	5. Work order/contract/invoice
Standard Aero Limited, 33 Allen Dyne Road, Winnipeg, MB R3H 1A1 Canada AMO Approval No. 22-58	PO: 516023/ WO: LW468739

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
01	Engine Assembly	23005290	N/A	1	CAE890210S	Repaired

13. Remarks

The product identified has been repaired to replace (1) pulled stud on the governor mounting pad; remainder was given an external visual serviceability inspection. Engine was tested (less Governor) at induction to confirm customer's complaint of high vibrations; high vibrations not confirmed. All work was performed in accordance with Rolls Royce 250-C30 Overhaul Manual 14W3 2nd Edition 9th Rev. Dated 01/03/03, Maintenance Manual 14W2 6th Edition 10th Rev. Dated 15/11/03 and the current maintenance rules of the Canadian Aviation Regulations. ~~150, 300 and 2000 hr~~ inspections have been complied with (engine only) as indicated in the supplied checklist, in accordance with 14W2 6th Edition 10th Rev. Dated 15/11/03. **The product is released for return to service, on a time continued basis, subject to satisfactory functional test results following installation on the airframe in compliance with CAR 571**. All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of work performed are on file at this organization under Work Order LW468739.

TTSN: 9466.4 hrs TSO: 7845.9 hrs TCSN: 15, 064 cycles CSO: unk.

The Engine comprises of the following:

Module	P/N	S/N	TTSN	TSO	TCSN	CSO
Compressor	23051643	CAC90104	16, 623.0	15, 161.0	28, 236	26, 207
Gearbox	23035179	CAG90453	7061.0	new	n/a	n/a
Turbine	23033195	CAT90340	10, 847.5	351.9	17, 645	965

14. ~~Certifies~~ that the items identified above were manufactured in conformity to:	19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.
☐ Approved design data ~~and are~~ in condition for ~~safe~~ operation. ☐ Non approved design ~~data~~ specified in block 13.	☒ CAR 571.10 Maintenance release. ☐ Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A		SAL 303 QI AMO 22-58
17. Name	**18. Date (dd/mmm/yyyy)**	**22. Name**	**23. Date (dd/mmm/yyyy)**
N/A	N/A	Lorna Richard	25 February 2004

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

(P:\Template\TCCA 24-0078.dot 4 Mar. 03)

27 FEV. 2004

1. Approving national aviation authority/country	2.	3. Form tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARC71502

4. Approved organization name and address	5. Work order/contract/invoice
Standard Aero Limited, 33 Allen Dyne Road, Winnipeg, MB R3H 1A1 Canada AMO Approval No. 22-58	TCN LW443278

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
1	BLEEDVAVLE	23073353	N/A N/A N/A N/A	1	FF30493	OVERHAULED

13. Remarks

The product identified above was overhauled iaw ROLLS-ROYCE 250-C30 OVERHAUL MANUAL 14W3, 2EDIT,R8 1NOV01, and the current maintenance rules of the Canadian Aviation Regulations. The product is approved for return to service iaw CAR SUB Part 571 and FAA Part 43.17, and JAR145 (Reference JAA Acceptance certificate JAA.7059). All pertinent details of the work performed are on file at this organization under work order LW443278. TSN UNKNOWN TSO O.O HRS. CEB 75-3014 FD. EMB. CEB 75-3024 EMBODIED.

14. Certifies that the items identified above were manufactured in conformity to:	19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.
☐ Approved design data and are in condition for safe operation. ☐ Non approved design data specified in block 13.	☒ CAR 571.10 Maintenance release. ☒ Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A	L.T.JARF	SAL 445 OL AMO 22-58 JAA.7059
17. Name	18. Date (dd/mmm/yyyy)	22. Name	23. Date (dd/mmm/yyyy)
N/A	N/A	L.T.JARF	26MAY2003

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

1. Approving national aviation authority/country	2.	3. Form tracking No.
Transport Canada	AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078	ARC 72428

4. Approved organization name and address	5. Work order/contract/invoice
Standard Aero Limited, 33 Allen Dyne Road, Winnipeg, MB R3H 1A1 Canada AMO Approval No. 22-58	LW443251 Reference Purchase Order 513382

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
1	Engine Assembly	23005290	N/A	1	CAE 890210	Repaired

13. Remarks

The product identified above (less bleed valve) has been repaired for cracked scroll and tested in accordance with Rolls-Royce Model 250-C30 Overhaul Manual 14W3 2nd Ed., 8th Rev., dated November 1, 2001, and the current maintenance rules of the Canadian Aviation Regulations. The engine tested serviceable and is approved for return to service in compliance with CAR 571, FAR Part 43.17 and JAR 145 (Reference JAA Acceptance Certificate No. JAA.7059). All mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are on file at this organization under Work Order No. LW443251.
T.T.S.N. 9114.5 Hours T.T.S.O. 7494.0 Hours T.C.S.N. Unknown Cycles T.C.S.O. Unknown Cycles.

The engine comprises of the following main components:

Module	Part Number	Serial Number	TSN	TSO	CSN	CSO
Compressor	23051643	CAC 90340	6508.0	5615.9	11478	10600
Gearbox	23035179	CAG 90453	6709.2	N/P	N/A	N/A
Turbine	23033195	CAT 90340	10495.6	0.0	16680	0

14. Certifies that the items identified above were manufactured in conformity to:

☐ Approved design data and are in condition for safe operation.

☐ Non approved design data specified in block 13.

19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.

☒ CAR 571.10 Maintenance release.

☒ Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A	DZorniak	S.A.L. 501 Q.I. AMO 22-58 JAA.7059
17. Name	18. Date (dd/mmm/yyyy)	22. Name	23. Date (dd/mmm/yyyy)
N/A	N/A	Duane Zorniak	May 26, 2003

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

28 MAI 2003