

# LISON MODEL 250 ENGINE LOG

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250-C20J  
CAF-270709

11/11

















# INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

GT-2784AT

Part IV  
Page No. 1

Engine Serial Number CAE-270709 Engine Model 250-C20J

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
4/24/95	NEW	0.0	FUEL SYSTEM PRESERVED WITH MIL-0-6081 OIL.	<i>[Signature]</i>	ALLISON
05-11-95	NEW	0.0	FUEL SYSTEM DEPRESERVED	<i>[Signature]</i>	BHTC CO APP.1-86
4-28-95	NEW	0.0	ACCUMULATOR KIT	<i>[Signature]</i>	BHTC CO APP.1-86
05-16-95	NEW	3.0	Vent orifice replaced by a -5	<i>[Signature]</i>	BHTC CO APP 1-86

DATE: 14 NOV 95 ENGINE S/N: CAE-270709 TSO: 15.5  
 WORK ORDER NO: 5291 ENGINE TT: 15.5 CYCLES: 36

The following work was accomplished: Cleaned engine upper chip plug; found minute fuzz only. Performed ground run, leak check and test flight. Engine approved for return to service. Refer to work order number 5291 for details.

*[Signature]*  
 Stuart Laks / Inspector for: W.P.H.S., Inc. P.O. Box 221 Mount Pleasant, PA 15666 FAA CRS #GSIR177K





# INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

GT-2784AT

Part IV  
Page No.

2

Engine Serial Number CAE- 270709

Engine Model 250- C20J

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

DATE: 01 JUL 96 ENGINE S/N: CAE-270709 TSO: 18.1  
 WORK ORDER NO: 6230 ENGINE TT: 18.1 CYCLES: 40  
 I certify that this engine has been inspected in accordance with a 100hr/annual inspection and was determined to be in an airworthy condition. Complied with CEB-A-1234 Visual Inspection of Pc Line. Topped off engine oil with Aeroshell 500. Scavenge oil strut flow 150cc. Performed ground run, leak check and test flight. Power status +1. Engine approved for return to service. Refer to work order number 5291 for details.

*Robert Casin*  
 Robert Casin / Chief Inspector for: HAS Corporation, P.O. Box 1117, Mount Pleasant, PA 15666 FAA CRS #GSIR177K





**INSPECTION - MAINTENANCE - OVERHAUL RECORD**  
**ENGINE ASSEMBLY**

GT-2784A (1/94)

Part IV  
Page No. 3

Engine Serial Number CAE-270709 Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
2-6-98	NEW	906.3	The aircraft, airframe, aircraft engine, rotor or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Postflight details of the repair are on file at this Repair Station under work order.	John Bell & Allison	John Bell & Allison
2-6-98					INSPECTION BY
					WARRANTY
					OIL FLOW IN EXCESS
					OF 90cc's. STATIONARY
					ENGINE REPAIR TO BE
					DIAGNOSIS BY
					REPAIR CD. ACCURATE
					CHECKED.

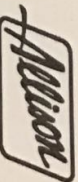
DATE: 2-6-98  
 I CERTIFY THAT THIS ENGINE  
 HAS BEEN INSPECTED IN ACCORDANCE  
 WITH A 100/300 INSPECTION  
 AND WAS DETERMINED TO BE AN  
 AIRWORTHY CONDITION

No: 8021588 Date: 5-6-98  
 Signed: John Bell & Allison  
 or Repair Station No. 518162

**A & S HELICOPTERS, INC.**

DIAGNOSIS BY  
REPAIR CD. ACCURATE  
CHECKED.





# INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

GT-2784A (1/94)

Part IV  
Page No. 4

Engine Serial Number CAE-270709

Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
6-30-98	NEW	1188.3	<p>The aircraft, <del>airframe, engine, rotor or appliance</del> identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Particular details of the repair are as follows at this Repair Station under work order:</p> <p>No.: <u>8061833</u> <u>6-30-98</u></p> <p>Signed: <u>Michael Gutwillig</u></p> <p>for Repair Station No. <u>587624</u></p>	<u>CHU 1001300 AN V</u>	<u>AVIATION INSPECTION</u>
					<u>INSPECTION CHECKLISTS</u>
					<u>STUDENT CERTIFICATES</u>
					<u>on floor in excess of</u>
					<u>90 lbs. ENG FUEL PUMP</u>
					<u>FROM REPAIRS. COMPONENTS OR PARTS.</u>
DATE <del>6-30-98</del> <u>11-18-83</u> IN SERVICE <del>1188.3</del> <u>1188.3</u> CERTIFY THAT THIS <del>ENGINE</del> <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <del>AVIATION</del> <u>AVIATION</u> INSPECTION AND WAS DETERMINED TO BE IN MEMORABLE CONDITION					



*MAINTENANCE*  
**MODIFICATION RECORD**  
**ENGINE ASSEMBLY**

Engine Serial Number CNE 170709 Engine Model \_\_\_\_\_

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
1-22-99	<p>DATE <u>1-22-99</u> IN SERVICE <u>1516-1</u>                      I CERTIFY THAT THIS <u>ENGINE</u>                      HAS BEEN INSPECTED IN ACCORDANCE                      WITH A <u>100800</u> INSPECTION                      AND WAS DETERMINED TO BE IN                      AIRWORTHY CONDITION.</p>	<p>The aircraft, airframe, aircraft engine, rotor, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work order:                      No. <u>9015201</u> Date: <u>1-22-99</u>                      Signed: <u>[Signature]</u>                      for Repair Station No. <u>SESREBLC</u></p>	<p>No. _____ Date: _____                      Signed: _____                      for Repair Station No. _____</p>	
90 cc's	<p>ONE <u>STBCU</u> IN EXCESS OF  <u>0.0750</u> (BCE2D)</p>			<p><b>A &amp; S HELICOPTERS, INC</b></p>
WAU	<p><u>5W</u> <u>FE</u> <u>47734</u> <u>INSTALLED.</u></p>			







# INSPECTION — MAINTENANCE — OVERHAUL RECORD

## ENGINE ASSEMBLY

S0468 A

Engine Serial Number CAE 570709 Engine Model \_\_\_\_\_

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
11-16-00	NEW	5490.5	NEW A100 HELICOPTER OVERHAUL IN PROGRESS. OIL FROM INSPECTOR OF 9000'S. SERVICED ENGS. OIL, REPLACED STARTER/GENERATOR SW, O.D. TSO, T.T. ONE, FUEL NOZZLE, SW AG1597 INSTALLED. ONICAM FIC SW BR57103 SENT OUT FOR OHA. REINSTALLED O.D. TSO OFC BR57103.		
<p><b>A &amp; S HELICOPTERS, INC.</b></p> <p>The aircraft, airframe, aircraft engine, rotor or propeller, and associated parts were repaired and inspected in accordance with the set regulations of the Federal Aviation Administration and is approved for return to service. Permission given for the return of the aircraft to the operator.</p> <p>Work order: <u>OTS 11-16-00</u></p> <p>By: <u>John M. ...</u></p> <p>For Repair Station No. <u>STAD16AL</u></p>					

oyce



GT-278

Engine

S0468 A (BACK)

# INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

Part IV  
Page No. 8

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
3-30-01		2702.9	1603 cycles		
<p><small>This aircraft, aircraft engine, rotor or propeller reported above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details of the repair are on file at this Repair Station.</small></p> <p>Repair Order No. <u>1033327</u> Date: <u>3-30-01</u></p> <p>Station: <u>A &amp; S Helicopters, Inc.</u> Station No. <u>5732162</u></p> <p>DATE <u>3-30-01</u> IN SERVICE <u>2702.9</u>  CERTIFY THAT THIS <u>ENGINE</u>  HAS BEEN INSPECTED IN ACCORDANCE  WITH A <u>100/300</u> INSPECTION  AND WAS DETERMINED TO BE IN  A <u>REASONABLE</u> CONDITION</p> <p>CLIA 100/300 HA INSPECTION THU  BELV REA INSPECTION CHECKLISTS  MAINT. MANUALS, REPLACED  CLAMP ON #01K PRESS. SCREWS  LIVE, SAFETYED FLYBY NET HANGERS  CHRON AWLS (TO AIRFRAMES).</p>					

**A & S HELICOPTERS, INC.**

DATE  
CERT

6-30

DA

TC



# INSPECTION — MAINTENANCE — OVERHAUL RECORD

784-A(12-83)

Engine Serial Number C4E 270709 Engine Model A250-0207

ENGINE ASSEMBLY

9

Date	Engine Time		Remarks	Signature	Organization
	Since Oil	Total			
8-1-01			<p>ELU 100/300 MEINER. ITW                      * BELL INSP. CHECKLIST OK FOR                      IN EXCESS OF 9000 HRS OR CHANGED.                      APPROX 500 HRS. USED. CHECKED SMOOTHER                      BRUSHES. CONSIDERED OK.</p>		

I certify, airplane, aircraft engine, rotor or appliance repaired above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Particulars of the repair are on file at this Repair Station.

Work order: 1073003 Date: 8-1-01  
 Signature: Chas. J. G. [unclear]  
 Repair Station No. 522 R 152

**A & S HELICOPTERS, INC.**

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MAINTENANCE

**MAINTENANCE NOTICE AND LETTER COMPLIANCE RECORD**

NUMBER	DATE OF COMPLIANCE	ONE TIME	INSPECTION TYPE		REMARKS
			PERIODIC	SPECIAL	
9-9-03					See A 100/300
DATE 9-9-03 IT IN SERVICE 3540.7					HE. INSPECTION
I CERTIFY THAT THIS <u>engine</u>					TRU ROYCE/ROYCE
HAS BEEN INSPECTED IN ACCORDANCE WITH A 100/300 INSPECTION AND WAS DETERMINED TO BE IN <u>WORTHY</u> CONDITION.					INSPECTION
<b>A &amp; S HELICOPTERS, INC</b>					CAPELLIST AND
COMMERCIAL SW 04043765 V TURBINE CAT 26331					MAINT. MANUAL.
DIAGNOSIS: ROYCE/ROYCE ENGINE COMPONENTS, NEW 21'S REMAINS INSTALLED. ENG ON 9'S ENGINE & FILTER ASSEMBLED.					
2-10-03					
DATE 2-10-03 IT IN SERVICE 3808.5					See A 100/300 HE
I CERTIFY THAT THIS <u>engine</u>					INSP. TRU
HAS BEEN INSPECTED IN ACCORDANCE WITH A 100/300 INSPECTION AND WAS DETERMINED TO BE IN <u>WORTHY</u> CONDITION.					ROYCE/ROYCE
<b>A &amp; S HELICOPTERS, INC</b>					CAPELLIST
COMMERCIAL SW 04043765 V TURBINE CAT 26331					
DIAGNOSIS: OIL FLOW IN EXCESS OF 9000. SMALLER QUANTITIES					

FORM 1582-G-1 (REV 10/77)

**MAINTENANCE**



2784A(11-77)

# INSPECTION — MAINTENANCE — OVERHAUL RECORD ENGINE ASSEMBLY

Part IV  
Page No. 12

cyce

Engine Serial Number CAE - 270709

Engine Model 250-C205 J

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
8-1-03	36175	4056.1	clew A 100/300 the INSPECTION ITAS ROLLS/ROPER INSPECTION CHECKLISTS MAINTENANCE MANUALS. ENG. OIL CHANGES. OIL FLOW IN EXCESS OF 90cc's. INSTALLS O.D.T.S.U GOVERNOR STU BREATHER. REPLACED ENGINE FUEL FUEL FILTER.		
<p><small>The aircraft, engine, aircraft engine, rotor or propeller described above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Permitted repairs of the repair are on file at this Repair Station under work order:</small></p> <p>3073540 DATA 8-1-03          Repair Station No. ST 21662</p>					

A & S HELICOPTERS, INC

Adair



INSPECTION RECORD

# Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

McTurbin

McTurbin

Engine Serial Number CAE- 270709

Part IV  
Page No. 14

Engine Model 250-C20T

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
15 May 2013	TSN	6992.2	OVERHAULED GEARBOX, COMPRESSOR, TURBINE AND TESTED IAW 10W3 OVERHAUL MANUAL 4 <sup>TH</sup> ED. 8 <sup>TH</sup> REV. PERTINENT DETAILS ON FILE AT THIS REPAIR STATION UNDER WO# 12147CE2.	<i>Joe Rye</i> MCUR3422	McTurbin Inc.
19 Dec 2013	TSN	7026.5	COMPLETED WITH POST RENTAL AND 300 HOUR INSPECTION. REPAIRED GEARBOX CAG-27712 AND TESTED IAW 10W2 OPERATION AND MAINTENANCE MANUAL 6 <sup>TH</sup> ED. 18 <sup>TH</sup> REV. PERTINENT DETAILS ON FILE AT THIS REPAIR STATION UNDER WO # 12665CE2.	<i>Joe Rye</i> MCUR3422	McTurbin Inc.
17 Mar 2016	TSN	7074.2 CSN: 4052	C/W 100 hr Inspection IAW Rolls-Royce OMM	<i>Joe Rye</i> MCUR3422 SIAZ 02 / MSP	STAM DGAC #168



F-2785AT

# ASSEMBLY RECORD ENGINE ASSEMBLY



Part V  
Page No. \_\_\_\_\_

Engine Serial Number CAE- 270709 Engine Model 250- C20J

Nomenclature	Part Number	Serial Number	INSTALLED		REMOVED		Reason
			Date	TT TSO	Date	TT TSO	
GEARBOX	23001923	CAG27712	4/24/95	0.0 NEW	18 Aug 2011	6992.2 TSN	Overhaul
COMPRESSOR	6890550	CAC42765	"	0.0 NEW	7/30/02	3540.7 NEW	OVERHAUL
TURBINE	23038241	CAT26331	"	0.0 NEW	6-29-99 10/17/93	1769.3 TSN	1750 HA CNSP
TURBINE	23038241	CAT26331	7-12-99	1769.3 NEW	7/30/02	3540.7 NEW	OVERHAUL
COMMAN ESSOR	6890550	CAC42765	9-9-02	3540.7 O.D	18 Aug 2011	6992.2 3461.5	Overhaul
TURBINE	23038241	CAT26331	9-9-02	3540.7 O.D	6/28/06	5292.0 1751.3	1750 HA CNSP
TURBINE	23038241	CAT26331	6/28/06	5292.0 1751.3 O.D	18 Aug 2011	6992.2 3451.5	Overhaul
GEARBOX	23001923	CAG27712	15 May 2003	6992.2 O.D	08 Nov 2013	7026.5 34.3	Repair
Compressor	6890550	CAC42765	15 May 2003	6992.2 O.D	08 Nov 2013	7026.5 34.3	Convenience
Turbine	23038241	CAT-26331	15 May 2013	6992.2 O.D	08 Nov 2013	7026.5 34.3	Convenience







GT-2786CT

# ASSEMBLY RECORD ENGINE ACCESSORIES



Part VI  
Page No. \_\_\_\_\_

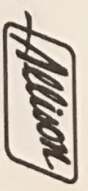
Engine Serial Number CAE- 270709

Engine Model 250- C20J

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	T T	TSO	Date	T T	TSO	
FUEL CONTROL <i>Revised</i>	23057344	BR57103	4/24/95	0.0	NEW	11/8/00	2490.5	NEW	O/H
GOV., PWR. TURB.	23057869	BR41216	"	0.0	NEW	3/28/00	2117.8	NEW	O/H
FUEL PUMP	23057338	AKV0029	"	0.0	NEW	6-6-95	3.8	NEW	LEAKING
FUEL NOZZLE	6890917	1XJ06113	"	0.0	NEW	11-8-00	2490.5	NEW	O/H
BLEED VALVE	23053176	FF55611	"	0.0	NEW	1-20-99	1516.2	NEW	O/H
FUEL PUMP	6899253	T109638	6-6-95	3.8	NEW	6-18-03	3997.9	NEW	O/H
BLEED VALVE	23053176	FF55611	1-20-99	UNK	UNK	9-24-01	3040.0	UNK	O/H
GOVERNOR	23065123	24661	2117.8	UNK	UNK	7/28/03	1738.3	UNK	O/H C/w CETS 1391
FUEL CONTROL	2524644-30N H	57103	3/31/00	2490.5	UNK	11-16-05	2500.00	UNK	O/H
FUEL NOZZLE	6890917	44159T	2490.5 11-16-00	UNK	UNK	11-16-05	4990.5 2500.0	UNK	O/H



GT-2786CT  
**ASSEMBLY RECORD**  
**ENGINE ACCESSORIES**



Part VI  
 Page No. \_\_\_\_\_

Engine Serial Number CAE- 270709 Engine Model 250- C20J

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	TT	TSO	Date	TT	TSO	
Fuel Pump	6899253 (386005)	T4265	6-18-03	UNK					
Governor	2549170-1	BR44288	5-03 4-25-11	UNK	18 Aug 2011	6992.2 896.7		OH	
BLEED VALVE	23053176	FF14847	9-24-01	UNK	18 Aug 2011	6992.2 UNK		S/N not installed	
FUEL NOZZLE	23077068	0227	11-16-05	4990.5 0.0					
FUEL CONTROL	23070606	BR57103	11-16-05	4990.5 0.0	9 May 2013	6992.2 201.7		Converters	
Governor	2349170-2 / 23086749	BR44288	15 May 2013	6992.2 0.0	28 Jun 16	7041.1 148.9		Failure	
Bleed Valve	23053176	FF45974	15 May 2013	6992.2 0.0					
Fuel Control	23070606	333288	15 May 2013	6992.2 0.0					
Governor	23065123	BR43529	28 Jun 16	7141.1 151.0	8 May 2011	7179.6 189.5			
Governor	23086749	BR44288	8 Mar 2011	7179.6 150.148.9					



# Service Accessory Record



**Rolls-Royce**

Nomenclature FUEL CONTROL

Part I Page No. 1

Component Serial Number 333288

Engine Model 250-

Installed					Removed				
Date	Engine S/N	A/C S/N		Accessory Time		Date	Accessory Time		Reason
		Reg. No.		Since OH	Total		Since OH	Total	
15 May 2013	CAE 27014			P.O. New	41K 00				







# Service Accessory Record



**Rolls-Royce**

Nomenclature Governor

Part I  
Page No. 2

Component serial number B7244288

Engine Model 250-

Date	Engine S/N	Installed		Accy. Time		Date	Removed		Reason
		A/C S/N	Reg. #	Since OH	Total		Since OH	Total	
8/11/08	CAE-270709	4348	N42MC	0.0	<del>2097.4</del>	18 Aug 2011	896.7	2936.1	OH
15 MAY 2013	CAE-270709	13999	XC-PFU	0.0	2936.1	28 Jun 16	148.9	3085	Failure
8 MAY 2011	CAE 270709			148.9	3085.0				



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



## Rolls-Royce

Part II

Nomenclature \_\_\_\_\_ Page No. \_\_\_\_\_

Component serial number BR 44 288 Engine Model 250-

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

Date	P/N	Acy. Time		Remarks	Signature and Certificate No.
		Since OH	Total		
8/17/08	2549170-2/ 23086749	000	2039.4	<div data-bbox="566 777 853 1659" data-label="Text"> <p><b>MAINTENANCE RELEASE.</b> SABRELINER CORPORATION, 101 Freedom Drive, Independence, KS 67301 FAA #YVBR921L. The component identified above was overhauled IAW current regulations of the FAA and CMM 73-20-06 Rev 3/26/04 and is approved for return to service. Pertinent details of the repair are on file at this agency under work order no. <u>72609</u>. CW GT <u>73-344</u>.</p> </div>	
	2549170-2/ 23086749	0.0	2936.1	Overhauled. Perinent details on file at this repair station.	<i>[Signature]</i>
				Under work order 12147CE2.	<i>[Signature]</i>
				Inspected + repaired <u>Starad etc.</u>	<i>[Signature]</i>
2-27-17	2549170-2 23086749	148.9	3085.0	240-1413 Nit at this Point, Paul Henry WRM Com # 15-1120, basic 3-26-04. HASS W/pt W 2126.	<i>[Signature]</i>

GT-11778 (B) 5/00

*[Handwritten signature]*  
3ACR45213



# Service Accessory Record



Rolls-Royce

Nomenclature

705L PUMP

Part #

Page No. 1

Component serial number

11265

Engine Model

250-200

Date	Engine S/N	Installed		A/C Time		Date	A/C Time		Reason
		A/C S/N	Reg #	Since OH	Total		Since OH	Total	
6-18-03	CAE-20001	4242	114214C	0.0	UNC				

GT-117/80(F) 5/00



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



## Rolls-Royce

Nomenclature FUEL PUMP Part II Page No. 1

Component serial number TH265 Engine Model 250-CSR0

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		
JUN 12 2003	689A253	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 10W3 Edition 4 Dated 04/15/02. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: <u>LH428AS</u> <u>CEB1261 : EMBODIED.</u>	 SAL-AMO #22-58 (SAL 347 Q.I.)

GT-11778 (B) 500

ENTER O

DATE

REMARKS

SIGNATURE



# Service Accessory Record



Rolls-Royce

Nomenclature \_\_\_\_\_

FUEL NOZZLE

Part I

Page No. \_\_\_\_\_

1

Component serial number \_\_\_\_\_

0227

Engine Model 250-

Installed					Removed			Reason	
Date	Engine S/N	A/C S/N	Reg. #	Accy. Time Since OH	Total	Date	Accy. Time Since OH		Total
11-16-05	CAE-270709	4348	N42MC	0.0	UNK				

GT-11778(F) 5/00