

SERVICE RECORD

ENGINE ASSEMBLY

 Engine Serial Number CAE- 821378 F

 Engine Model 250-C20 B

INSTALLED					REMOVED			
Date	Owner	A/G or Eng. S/N	Engine Time		Date	Engine Time		Reason
			Since OH	Total		Since OH	Total	
10-5-73	—	—	—	—	—	—	—	—
12-10-74	—	1304	NEW	0.0	—	—	—	2000 #4 Bearings
3-7-74	—	20613 1341	NEW	0.0	9-01-74	—	524:25	Loose compression August
	PHI	821-378	—	524:25	11-2-74	New	738:45	metal in oil
	PHI	821-378	New	738:45	2-27-76	—	2290:15	metal in oil
	PHI	821378	—	2290:15	6-1-76	—	2496:50	metal in oil
	PHI	821378	—	2496:50	04/13/77	—	2913:50	F.O.D. (Compression)
	PHI	N59584	—	2913:50	6-1-77	—	3090:30	metal in oil
	PHI	78375	—	3090:30	12/05/77	—	3799:25	metal in oil
	PHI	N79065	—	3799:25	10-2-79	—	5810:55	making metal
			—	5810:55	7-30-80	—	6484:25	low power
		N17196	—	6484:35	6-15-81	—	7269:00	leaking T/m nut
	PHI	H 49661	—	7269:00	11-21-81	—	7677:00	Air blockage & high time compression

Part II
Page No.

[illegible]

SERVICE RECORD

ENGINE ASSEMBLY

 Part I
 Page No. 2

 Engine Serial Number CAE 821378 F

 Engine Model 250-C20 B

INSTALLED					REMOVED			
Date	Owner	A/C or Eng. S/N	Engine Time		Date	Engine Time		Reason
			Since OH	Total		Since OH	Total	
—	PHI	90171	—	7677:00	7-9-82	—	7923:40	Posa. Wp. F.O.D.
—	PHI	59509	—	7923:40	6-11-84	—	9175:30	Prober shut down
	PHI			9175:30	4-17-85	—	10322:45	T/M shaft leak
	PHI		—	10322:45	8-6-85	—	10648:20	Possible flap nut leak & cracked scull.
		16751	—	10648:20	2-4-87	—	11540:40	Missing turbine mounting stud.
	PHI	Supply	—	11540:40	2-23-87	—	11540:40	Remove temp fan use on another engine.
	PHI	222 V	—	11540:40	11-24-88	—	13055:20	Metal in oil
	PHI	2145C	—	13055:20	1-17-89	—	13208:00	Load grinding noise start
1-20-89	PHI	N9190Y	—	13208:00	7/9/89	—	13726:30	Comp F.O.D., low power. C/F 302 & 1750 inps.
7-14-89	PHI	N805RB	—	13726:30	5-4-92	—	15752:55	Comp O/H
5-14-92	PHI	N3535T	—	15752:55	12/8/93	—	17091:00	Repair due to ASI Bore Note link
—	PHI	—	—	17091:00	12-4-93	—	17091:00	Turbine change
2-6-94	PHI	N8832	—	17091:00	11-20-97	—	18786:50	Comp. O/H

[illegible]

Part I
Page No. 3

[illegible]

Part II
Page No. _____

Engine Serial Number CAE- Engine Model 250-

[illegible]

MODIFICATION RECORD

ENGINE ASSEMBLY

Part III
Page No. 1

FORM 2783 A

Engine Serial Number CAE- 821378¹² Engine Model 250-C20 B

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
12-14-73	CSL-1023	^{PK 3, AAC 2203} ADJUSTED CUT-OFF VALVE & FLATS	<i>J. H. Hett</i>	Allison
3-3-76	CEB-1065 R2	lushioned Champion PC line.	<i>G. H. Hett</i>	PHI 46 760931
04/19/77	^{AD 77109-08} CEB-1116	L-trainer installed bleed valve SWB-15408	<i>J. H. Hett</i>	PHI 772109
4-22-77	CEB-1092 R-1	Replace fuel pump filter. (Confirmed)	<i>B. Gehrell</i>	PHI 772109
4-22-77	CEB-1095	Install high pressure fuel filter assembly. (Confirmed)	<i>B. Gehrell</i>	PHI 772109
4-22-77	CEB-1097	Add clamp to governor PC tee-to-fuel control tube dampen (Confirmed.)	<i>B. Gehrell</i>	PHI 772109
6-03-77	CEB 1115	checked support screws on anti ice valve	<i>P. H. Hett</i>	PHI 773226
12-12-77	CEB 1101 R1	confirmed fuel system checks also - <i>Antel</i>	<i>Leung</i>	PHI 777420
12-12-77	AD 77-15-12	PT SHAFT in op c/w GOOD For 500 HRS	<i>Leung</i>	PHI 46 777420
		CAT 20684P		

MODIFICATION RECORD

ENGINE ASSEMBLY

Part III
Page No. 2

FORM 2783 A (BACK)

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
10/31/82	CEB-A-1206	Non-H/I/C Bearing insp.	Shubert	10-1816 10-1822 PHI
10/31/82	CEB-1042 R1	additional clamping of fuel system tubing (P/C/u)	Shubert	PHI
10/31/82	CEB-1085	Clamp #1 bearing oil line to anti-ice line (P/C/u)	Shubert	PHI
10/31/82	CEB-A-1170	Bendix Hov. insp. (P/C/u)	Shubert	PHI
7-22-84	CEB 1050 R-1	Bendix for C 20 (PCW)	Shubert	PHI 843166
7-22-84	CEB 1053 R1	C-20 to C 20B conversion	Shubert	843166
7-22-84	CEB 1158 R1	Bendix fuel tubes clamp (PCW)	Shubert	843166
7-22-84	CEB-A-1170 R-3	Bendix gear shaft spline insp.	Shubert	843166
7-11-86	CEB-A-1234	Carroll to Left tube. insp.	Shubert	PHI
7-31-86	AD 73-19-07	N/A per CEB 1040	Shubert	PHI
	AD 74-14-03	applies to ceco fuel systems only		
	AD 77-151 R	N/A per CEB 1158		
	AD 78-14-08	N/A per P/N of FIP		
7-31-86	AD 79-21-01 R	N/A per P/N of #3 tube. incl.	Shubert	PHI

MODIFICATION RECORD

ENGINE ASSEMBLY

Part III
Page No. 3

FORM 2783 A

Engine Serial Number CAE82137BF

Engine Model 250-C-20B

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
7-31-86	AD 82-24-05	N/A per P/N of FIC + 60V.	<i>[Signature]</i>	PHI
7-31-86	AD 82-13-03	applies to uco fuel systems only	<i>[Signature]</i>	PHI
7-31-86	AD 83-0302 R1	N/A per P/N of #3 turb. whl.	<i>[Signature]</i>	PHI
2-16-87	CEB 1170 (R-4)	Bonding Good Drainage S/Hatt. Insp (PCW)	U. Malle	PHI 2-1501
2-16-87	CEB 1198 (R-2)	Bonding Pressure Tube Clamp (PCW)	U. Malle	PHI 2-1501
2-16-87	AD 72-03-06	2nd Str. Fuelers with removal - (PCW)	U. Malle	2-1501
2-25-87	CEB 1234	PC SCROLL TO PC FILTER TUBE ASSY Insp.	<i>[Signature]</i>	2-1501
10-11-88	AD 88-17-01	N/A as per fuel control S/N	<i>[Signature]</i>	PHI inspection 3695
7/13/89	CEB 1002	N/A per Hon & Fuel control S/N	AP 401740007 R. Burchett	PHI WD 894510 CRS HEER 617E
	CEB 1021 R2	N/A per Hon S/N	AP 401740007 R. Burchett	
	CEB 1033	Previously C/W	AP 401740007 R. Burchett	
	CEB 1040 R1	N/A per Engine S/N	AP 401740007 R. Burchett	
	CEB 1051 R3	N/A per fuel pump P/N	AP 401740007 R. Burchett	
7/13/89	CEB 1053 R2	C/W removal only - CEB PCW	AP 401740007 R. Burchett	PHI WD 894510 CRS HEER 617E

MODIFICATION RECORD

ENGINE ASSEMBLY

Part III

Page No.

41

FORM 2783 A (BACK)

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
7/13/89	CEB1081 R1	N/A per fuel system	AXP401740007 R. Burchett	CRS HEER 679 E WO 894510
	CEB1093 R2	N/A per Gov P/N	AXP401740007 R. Burchett	
	CEBA-1095 R3	c/w revision only CEB PCW	AXP401740007 R. Burchett	
	CEB1099 R1	Previously c/w	AXP401740007 R. Burchett	
	CEB1104	Previously c/w	AXP401740007 R. Burchett	
	CEB1106 R1	N/A per Gov P/N	AXP401740007 R. Burchett	
	CEB1112 R2	N/A per fuel pump P/N	AXP401740007 R. Burchett	
	CEB1125	N/A per Gov P/N - Bendix	AXP401740007 R. Burchett	
	CEB1129	N/A per Gov P/N - Bendix	AXP401740007 R. Burchett	
	CEB1137 R1	Previously c/w	AXP401740007 R. Burchett	
	CEB1138 R1	N/A per fuel system	AXP401740007 R. Burchett	
	CEBA-1144 R4	Previously c/w	AXP401740007 R. Burchett	
	CEB1164 R2	Previously c/w	AXP401740007 R. Burchett	
	CEB1187	N/A per engine P/N - type	AXP401740007 R. Burchett	
	CEB1189	N/A per engine P/N - type	AXP401740007 R. Burchett	
7/13/89	CEB1191	N/A per engine P/N - type	AXP401740007 R. Burchett	CRS HEER 679 E WO 894510



A-3A042-4 R2-82

MODIFICATION RECORD

ENGINE ASSEMBLY

 Part III
 Page No. 5

 Engine Serial Number CAE 821378 F

 Engine Model 250-C20 B

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
7/13/89	CEB A-1211 R1	N/A per chip plug P/N	R. Bucholtz	CPS HEER 67E WD 894510
7/13/89	CEB A-1233 R1	N/A per fuel system	R. Bucholtz	CPS HEER 67E WD 894510
↑	CEB A-1234 R2	N/A per fuel system	R. Bucholtz	↑
	CEB 1242	N/A per engine type P/N	R. Bucholtz	
	CEB 1244	N/A per engine type P/N	R. Bucholtz	
	CEB 1264	N/A per engine type P/N	R. Bucholtz	
	CEB 1268	N/A per engine type P/N	R. Bucholtz	
	CEB 1272 R1	N/A per fuel system - Bendix	R. Bucholtz	
	CEB 1281	N/A per fuel system - Bendix	R. Bucholtz	
7/13/89	CEB 1245 R2	N/A per fuel system - Bendix	R. Bucholtz	CPS HEER 67E WD 894510
		Acc fuel system removed		
		Bendix fuel system installed		
5-8-92	All CEC OEB's	N/A per Bendix fuel system	J. Bucholtz	W/G 925535 / CPS HEER 67E
5-8-92	1042 R1	Bendix fuel tube clamp	J. Bucholtz	W/G 925535 / CPS HEER 67E



A-3A042-4 R2-82

MODIFICATION RECORD

ENGINE ASSEMBLY

Part III

Page No. 16Engine Serial Number CAE B21378FEngine Model 250-020B

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
5-8-92	CEB 1050 R1	Bendix fuel control system	²²³⁵⁴²¹⁴ J. H. C. f	JWG Q25535 CFS HEERGITE
↑	CEB 1053 R3	Confirmed Compliance	↑	↑
	CEB 1061	Confirmed Compliance ^{Rec'd 10/30/92} SN 33195		
	CEB 1065 R2	Ignition lead clamp - modify		
	CEB 1081 R1	Bendix spec. for multi engine		
	CEB 1085	Confirmed Compliance		
	CEB 1092 R1	Confirmed Compliance ^{FIP} SN T102038		
	CEB 1101 R1	Confirmed Compliance		
	CEB A-1106 R1	N/A per spec. ^{SN T102038} SN 29743		
	CEB 1116 R2	Major TRW FIP SN 386500-5		
	CEB 1115	Anti-ice valve repair. ref. ^{SN T102038} above insp.		
	CEB 1125	Bendix spec. for multi engine		
↓	CEB 1124	N/A per spec. ^{REC 3/24/92} serial no. 29743	↓	↓
5-8-92	CEB 1136 R1	Confirmed Compliance ^{REC 3/24/92} SN 33195	²²³⁵⁴²¹⁴ J. H. C. f	JWG Q25535 CFS HEERGITE

MODIFICATION RECORD

ENGINE ASSEMBLY

Part III
Page No. 7

Engine Serial Number CAE 821248F Engine Model 250 - C30P

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
5-8-92	CEB 1164 R2	N/A per TRW FID 102038	[Signature]	WFO 920205
↑	CEB 1170 R4	Confirmed compliance to 29773	↑	↑
	CEB 1145	Confirmed compliance to 29773		
	CEB 1151 R1	N/A per customer option		
	CEB 1184	Revised CEB 1062 R3 Converted to R model		
	CEB 1198 R2	Revised pressure relief valve		
	CEB 1206	Confirmed compliance to 29773		
	CEB 1207 R2	Confirmed compliance to 29773		
	CEB 1214 R2	Confirmed compliance to 29773		
	CEB 1222 R2	Improved strength PC filter housing		
	CEB 1224 R2	PC source to filter tube inspect		
↓	CEB 1245 R2	N/A per plw 8 fuel control plw 22210426		
	CEB 1260	Confirmed compliance to 29773	↓	↓
5-8-92	1261	N/A per HP series WFO 102038	[Signature]	WFO 920205

MODIFICATION RECORD

ENGINE ASSEMBLY

Part III

Page No. 8

Engine Serial Number CHE 821348 F

Engine Model 250-120B

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
5-8-92	CEC A-1269	N/A per engine model 120B	<i>[Signature]</i> 12354219	OPS 36555 HERRIDGE
↑	CEC A-1272 RI	N/A per FIC S/N 334425	↑	↑
↑	CEC A-1281 R2	Confirmed compliance cause 39442	↑	↑
↑	CEC 1287 RI	Confirmed compliance No 3353146 S/N 33495	↑	↑
↑	CEC 12910 RI	N/A per 39442 S/N 39442	↑	↑
↑	CEC A-1294 RI	Confirmed compliance	↑	↑
↑	CEC A-1305 RI	N/A per FIC S/N 334425	↑	↑
↑	CEC A-1314	N/A per 12354219 S/N 33495	↑	↑
5-8-92	CEC H1205	N/A per FIC S/N 334425	<i>[Signature]</i> 12354219	OPS 36555 HERRIDGE
S-12-92	AD72-03-06	Confirmed comply with	<i>[Signature]</i> 12354219	OPS 36555 HERRIDGE
↑	AD77-09-08	N/A per 1/2 of Blood Valve	↑	↑
↑	CEBA1051R-4	N/A per 1/2 of fuel Pump	↑	↑
S-12-92	CEBA-1269	N/A per C-20B	<i>[Signature]</i> 12354219	OPS 36555 HERRIDGE

MODIFICATION RECORD

ENGINE ASSEMBLY

 Part III
 Page No. 9

 Engine Serial Number 0AEB21378F Engine Model 250-C2013

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
4/13/94	CEB1092R1	Continued Compliance S/N T1176	RC#2467700	RS#HEER617E
	CEB1164R2	NIA Per TRW Pump S/N T1176	R. Thomas	W/O# 938408
	CEB1175	NIA Per Governor Pin 2524667-13		
	CEB1187R2	Continued Compliance (Rev only)		
	CEB A1206	NIA Per FIC Pin 2524644-28 & Rev. Pin 2524667-13		
	CEB A1234R3	P.P. Serial to P.C. Filter Tube Assembly - Tresp.		
	CEB A1281R3	Continued Compliance (Rev only)		
	CEB1287R2	NIA Per Bkg Valve Pin 23053176		
	CEB A1289	Continued Compliance		
	CEB1290R1	NIA Per Governor S/N 26806		
	CEB A1295R2	NIA Per Fuel Control S/N 331220		
	CEB1302R1	NIA Per FIC Pin 2524644-28		
	CEB A1305R1	NIA Per FIC S/N 331220	RC#2467700	RS#HEER617E
4/13/94	CEB1316R1	Continued Compliance	R. Thomas	W/O# 938408

MODIFICATION RECORD

ENGINE ASSEMBLY

Part III

Page No. 10

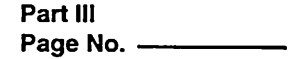
Engine Serial Number CAE821378F Engine Model 250C2013

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
4/13/94	CEBA1319	for Siemens Compliance	RIC#2467700 Bthomassick	RIC#HEER617E W104938408
	CEB1321R1	for Siemens Compliance		
	CEB1322	N/A Per FICS W 331220 & for S W 26806		
4/13/94	CEBA1323	N/A Per C20B Model	RIC#2467700 Bthomassick	RIC#HEER617E W104938408
2-26-98	CEB 1139 R.1	Confirmed Compliance AC 39249	PHZ RS HEER 617E W104938408	PHZ RS HEER 617E W104938408
↑	CEBA1211R.3	N/A per Chip plug type.		
	CEBA1234 R.3	PC screw to AC filter tube Assy. insp.		
	CEBA1294 R.2	Confirmed Compliance		
	CEB 1311 R.1	Confirmed Compliance AC 39249		
	CEB 1321 R.2	Confirmed Compliance		
	CEBA1323 R.3	N/A per C20B Model		
	CEBA1341 R.2	N/A per CEB P1342 R.1		
↓	CEBA1342 R.1	Confirmed Compliance CAT 31729F		
2-26-98	CEBA1349	Confirmed Compliance CLAMP PH 25122911	PHZ RS HEER 617E W104938408	PHZ RS HEER 617E W104938408

Part III
Page No. 61

[illegible]

PHI 250E3 (5/95)

[illegible]

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

FORM 2784 A

 Engine Serial Number CAE- 821378 F Engine Model 250 C20 B

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
10-5-73	New	0.0	Fuel System Preserved with MIL-0-6081 Oil.	<i>[Signature]</i>	DDAD GMC
11-8-73	New	0.0	Engine Repaired	<i>[Signature]</i>	DDAD
2-22-74	New	0.0	Replacement of P/N 6874525 Bearing in G/B REF: THO-146L-RNB	<i>[Signature]</i>	DDAD GMC
9-03-74	—	524:25	Repaired loose compressor/gearbox mounting studs. Reassembled for service	<i>[Signature]</i>	PH 2744412
9 Dec 74	New	738:45	Engine repaired and test run	<i>[Signature]</i>	Cooper Airmotive, In
3-4-76	—	2290:15	Repaired gearbox CA631376 for metal in oil.	<i>[Signature]</i>	PH 40 70931
6-4-76	—	2496:50	Repaired due to metal in oil (comp. at 1000)	<i>[Signature]</i>	PH 40 762609
04/21/77	—	2913:50	Repaired due to FOD gearbox repair	<i>[Signature]</i>	PH 1772109
6-3-77	—	3090:30	Repaired due to metal in oil	<i>[Signature]</i>	PH 1773226

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

FORM 2784 A (BACK)

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
12/12/77	—	3779:25	Repaired due to smoke on shutdown ^{H. fed}	Heuser	PHI 777420
10-16-79	—	5810:55	Repaired due to metal on oil	G. Howell	PHI W.O. 754782
7-30-80	—	6484:25	Low power, compressor core very cheap	D. Hyatt	PHI 803442
6-19-81	—	7269:00	Replaced gearbox due to leaking T/m nut and repaired turbine		
			CAT-38175 P in C/A CEB A1174.	D. Spencer	PHI W/O 812826
11-25-81	—	7677:00	Repaired due to Air blockage & high time compressor	B. Helm	PHI 815738
10-31-82	—	8223:40	Repaired due to possible F.O.D. from A/C bell mouth.	B. Helm	PHI 823074
7-22-84	—	9175:30	Repaired due to smoke on shutdown		
	—	—	& upgraded to C-20B	D. Green	PHI 843866
4-24-85	—	10392:45	Repaired due to T/m shaft leak	R. Stu	PHI 851245
8-11-85	—	10648:20	Repaired due to cracked scroll ^{T/m nut} leak	A. Lyons	PHI 852900
2-18-87	—	11540:40	Repaired due to missing turbo mount stud.		PHI 2-1501

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

FORM 2784 A (BACK)

Date	Engine Time		Remarks	# Signature	# Organization
	Since OH	Total			
4-15-94	—	17,091:00	Repairs due to 1st Torque Motor Bore leaks.	RC 2362100 J. Carmon	RS HEER617E PHI 938408
MAINTENANCE RELEASE PETROLEUM HELICOPTERS, INC. Municipal Airport, Lafayette, Louisiana Certificate No. HEER617E The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Record Card No. <u>938408</u> . Signed <u>Jerry Seibert</u> for Date <u>4-15-94</u> (Authorized Signature For Station)					
5-17-94	—	17,091:00	Repaired due to low Power on test Cell	RC 2481582 A. Hurd	RS HEER617E PHI 947424
MAINTENANCE RELEASE PETROLEUM HELICOPTERS, INC. Municipal Airport, Lafayette, Louisiana Certificate No. HEER617E The aircraft, airframe, aircraft engine propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Record Card No. <u>947424</u> . Signed <u>Jerry Seibert</u> for Date <u>5-30-94</u> (Authorized Signature For Station)					
2-25-98	—	18786:50	Repaired due to Comp. O/H.	RC 2481582 J. Carmon	PHI RS HEER617E U10981410
MAINTENANCE RELEASE PETROLEUM HELICOPTERS, INC. Regional Airport, Lafayette, Louisiana Certificate No. HEER617E The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No. <u>9781410</u> . Signed <u>Logan Brinkley</u> for Date <u>2-26-98</u> (Authorized Signature For Station)					

Part IV
Page No.

Engine Model 250- C/20B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
7-15-98	—	19042:10	Test all new engine Assy as rec'd.	—	—
—	—	—	Engine meets all test requirements	—	—
—	—	—	9/15/04 1400 hr inspection	1435880301 A. J. [Signature]	845 HERRLITE HERRLITE

PETROLEUM HELICOPTERS, INC. Regional Airport, Lafayette, Louisiana Certificate No. HEER617E

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No. 9880710

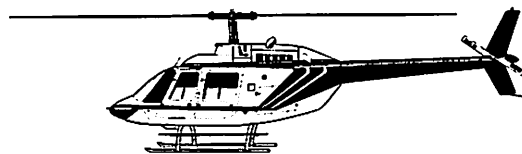
Signed

(Authorized Signature For Station)

for Date

Sharkey's Helicopters, Inc.

FAA/CRS # FSPR743W



6 Airport Rd.
W. Lebanon, NH 03784
(603) 298-8728

Date: 07-01-2004

Registration #: N929KC Aircraft Serial #: 3605

Engine Model #: 250-C20B Engine Serial #: CAE-821378F

Hobbs: 110.5 Aircraft Total Time: 13,932.1 Engine Total Time: 21,976.2

Cycles: 16,437

I certify that this engine has been inspected in accordance with an annual/100/200/300 hour inspection and was determined to be in an airworthy condition. Details of this inspection are on file at this Repair Station under Work Order No. 1266.

The following inspection and maintenance items were performed in conjunction with the above inspection:

- 1) Complied with the following inspections as per Rolls-Royce Allison 250-C20 Operation and maintenance Manual, table 602.
 - a. Oil flow 175cc.
- 2) Installed serviceable Pc filter assembly p/n 23033400.
- 3) Replaced compressor case hardware p/n 6849468-0805 and 6859880.
- 4) Installed Pc safety valve kit.
- 5) Checked AD's through issue 2004-12. See component logbook for sign-off.
- 6) Ground run and leak check OK.

The aircraft/items listed above were repaired and/or inspected in accordance with current FAR's and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under Work Order No. 1266.

Randall A Collins for FAA/CRS # FSPR743W

Sharkey's Helicopters, Inc.

FAA/CRS # FSPR743W



6 Airport Rd.
W. Lebanon, NH 03784
(603) 298-8728

Date: 09-01-2005

Registration #: N929KC Aircraft Serial #: 3605

Engine Model #: 250-C20B Engine Serial #: CAE-821378F

Hobbs: 129.3 Aircraft Total Time: 13950.9 Engine Total Time: 21995.0

Cycles: 16,462

I certify that this engine has been inspected in accordance with an annual/100 hour inspection and was determined to be in an airworthy condition. Details of this inspection are on file at this Repair Station under Work Order No. 1467.

The following inspection and maintenance items were performed in conjunction with the above inspection:

- 1) Complied with the following inspections as per Rolls-Royce Allison 250-C20 Operation and maintenance Manual, table 602.
- 2) Complied with AD 2004-24-09 by inspection of screen and replacing fuel nozzle with overhauled p/n 23077068, s/n AG50191.
- 3) Checked AD's through issue 2005-17. See component logbook for sign-off.
- 4) Ground run and leak check OK.

Randall A Collins for FAA/CRS # FSPR743W

A blue ink signature, appearing to read 'RAC', written over a horizontal line.

Sharkey's Helicopters, Inc.

FAA/CRS # FSPR743W



6 Airport Rd.
W. Lebanon, NH 03784
(603) 298-8728

Date: 12-01-2006

Registration #: N929KC Aircraft Serial #: 3605

Engine Model #: 250-C20B Engine Serial #: CAE-821378F

Hobbs: 147.5 Aircraft Total Time: 13969.1 Engine Total Time: 22013.2

Cycles: 16,485

I certify that this engine has been inspected in accordance with an annual/100/200 hour inspection and was determined to be in an airworthy condition. Details of this inspection are on file at this Repair Station under Work Order No. 1642. Reviewed STC's and 337's for ICA's.

The following inspection and maintenance items were performed in conjunction with the above inspection::

- 1) Complied with the following inspections as per Rolls-Royce Allison 250-C20 Operation and maintenance Manual, table 602.
- 2) Checked AD's through issue 2006-23. See component logbook for sign-off.
- 3) Ground run and leak check OK.

Randall A Collins for FAA/CRS # FSPR743W



Sharkey's Helicopters, Inc.

FAA/CRS # FSPR743W



6 Airport Rd.
W. Lebanon, NH 03784
(603) 298-8728

Date: 05/21/2008

Registration #: N929KC Aircraft Serial #: 3605

Engine Model #: 250-C20B Engine Serial #: CAE-821378F

Hobbs: 154.4 Aircraft Total Time: 13976.0 Engine Total Time: 22020.1

Cycles: 16,492

I certify that this engine has been inspected in accordance with an annual/100-hour inspection and was determined to be in an airworthy condition. Details of this inspection are on file at this Repair Station under Work Order No. 1782. Reviewed STC's and 337's for ICA's.

The following inspection and maintenance items were performed in conjunction with the above inspection:

- 1) Complied with the following inspections as per Rolls-Royce Allison 250-C20 Operation and maintenance Manual, table 602.
- 2) Checked AD's through issue 2008-10. See component logbook for sign-off.
- 3) Ground run and leak check OK.

Randall A Collins for FAA/CRS # FSPR743W

Sharkey's Helicopters, Inc.

FAA/CRS # FSPR743W



6 Airport Rd.

W. Lebanon, NH 03784

(603) 298-8728

Date: 11/10/2008

Registration #: N929KC Aircraft Serial #: 3605

Engine Model #: 250-C20B Engine Serial #: CAE-821378F

Hobbs: 154.7 Aircraft Total Time: 13976.3 Engine Total Time: 22020.4

Cycles: 16,495

I certify that this engine has been inspected in accordance with an annual/100-hour inspection and was determined to be in an airworthy condition. Details of this inspection are on file at this Repair Station under Work Order No. 1855. Reviewed STC's and 337's for ICA's.

The following inspection and maintenance items were performed in conjunction with the above inspection:

- 1) Complied with the following inspections as per Rolls-Royce Allison 250-C20 Operation and maintenance Manual, table 602.
- 2) Checked AD's through issue 2008-22. See component logbook for sign-off.
- 3) Ground run and leak check OK.

Randall A Collins for FAA/CRS # FSPR743W



Part IV
Page No.

GT-2784A (12/98)

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV

Page No. _____

Engine Serial Number CAE- 821378F

Engine Model 250-

Date

tion

01/05/10 N929KC S/N 3605 ACFT TT 14018.1 ENG TT 22062.2 CYCLES 16565 HOBBS 196.5 WO# 1207
COMPLETED 100/300 HOUR ENGINE INSPECTION IN ACCORDANCE WITH ROLLS ROYCE -C20J ENGINE
MAINTENANCE MANUAL WITH REV 14, DATED 1 JUN 09. DRAINED AND REFILLED ENGINE OIL WITH ROYCO 560
OIL. CLEANED AND INSPECTED #1 BEARING PRESSURE REDUCER, ENGINE OIL FILTER, BOTH CHIP DETECTORS,
OIL CHECK VALVE, PC FILTER, BURNER DRAIN VALVE AND FUEL NOZZLE. REPLACED ENGINE FUEL PUMP
FILTER P/N 038072-05. REPLACED L/H & R/H TRANSFER TUBE GASKETS P/N 6870736 & 6870737. FLOW CHECK 200
CC'S. CLEANED COMPRESSOR. GROUND RUN. LEAK CHECKED, TEST FLOWN AND RETURNED TO SERVICE.

I certify that this engine has been inspected in accordance with
a 100/300 Hour inspection and was determined to be in
airworthy condition at 22062.2 hours engine total time.
Details on file at this repair Station under

W. O. # 1207 Date 01/05/10

Authorized Signature

For: JOE BRIGHAM INC
FAA REPAIR STATION # FTYR033E
720 CLOUGH MILL ROAD
PEMBROKE, NH 03275

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV

Page No. _____

Engine Serial Number CAE-

Engine Model 250-

Date

02/01/12 N929KC S/N 3605 ACFT TT 14137.4 ENG TT 22181.5 ENG S/N CAE-821378F CYCLES 16727 HOBBS 315.8 WO# 1373

COMPLETED 100/300 HOUR ENGINE INSPECTION IAW ROLLS ROYCE 250-C20B ENGINE MAINTENANCE MANUAL 10W2 WITH REV 16, DATED JUN 1, 2011. CHANGED ENGINE OIL WITH ROYCO 560 OIL. CLEANED AND INSPECTED #1 BEARING PRESSURE REDUCER, ENGINE OIL FILTER, BOTH CHIP DETECTORS, PC FILTER AND FUEL NOZZLE. REPLACED FUEL PUMP FILTER P/N 038072-05. REMOVED TURBINE ASSY P/N 6898735 S/N CAT 36996 (TSO: 2897.2) FOR COMPLETION OF AD 2005-10-13 (CEB-A-1255), INSTALLATION OF ENERGY ABSORBING RING. MODIFICATION COMPLETED BY STANDARD AERO, CANADA AMO-22-58.

REINSTALLED TURBINE ASSEMBLY. INSPECTED FOR AD 2006-13-06 TURBINE TIE BOLT INSPECTION-FOUND P/C/W IAW CEB-1371 ON 08/31/01.

TURBINE COMBUSTION LINER FOUND CRACKED BEYOND LIMITS. INSTALLED OVERHAULED COMBUSTION LINER P/N 23056130 S/N SD1088.

FLOW CHECK 200 CC'S. CLEANED COMPRESSOR. GROUND RUN, TEST FLOWN AND RETURNED TO SERVICE.

I certify that this engine has been inspected with
a 100/300 HR inspection and was determined to be in
airworthy condition at 22118.5 hours engine total time.

Details on file at this Repair Station under

W.O.# 1373 Date 02/01/12

Authorized Signature

For: JOE BRIGHAM INC
FAA REPAIR STATION# FTYR033E
720 CLOUGH MILL ROAD
PEMBROKE, NH 03275

ation

yce



INSPECTION - MAINTENANCE - OVERHAUL RECORD

ENGINE ASSEMBLY



GT-2784A (1-94)

Engine Serial Number CAE-_____

Engine Model 250-_____

Part IV
Page No. _____

12/20/12 N929KC S/N 3605 ACFT TT 14207.0 ENG TT 22251.1 CYCLES 16720 HOBBS
385.4 WO# 1423

C/W AD 2012-14-06 AND FOUND N/A BY P/N WHEELS INSTALLED.
AIRCRAFT RETURNED TO SERVICE.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine or appliance identified above was repaired and inspected in accordance with current maintenance rules of the federal regulations and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under W.O.# 1423 Date 12/20/12 Signed [Signature]

Authorized Representative

For: Joe Brigham Inc CRS# FTYR033E
720 Clough Mill Road
Pembroke, NH 03275



INSPECTION - MAINTENANCE - OVERHAUL RECORD

ENGINE ASSEMBLY



Part IV

GT-271
Engir

Da

04/01/13 N929KC S/N 3605 ACFT TT 14212.7 ENG TT 22256.8 ENG S/N CAE-821378F CYCLES 16750
HOBBS 391.1 WO# 1485

COMPLETED 100/300 HOUR ENGINE INSPECTION IAW ROLLS ROYCE 250-C20B ENGINE MAINTENANCE MANUAL
10W2 WITH REV 17, DATED JUN 1, 2012.

CHANGED ENGINE OIL WITH ROYCO 560 OIL.

CLEANED AND INSPECTED #1 BEARING PRESSURE REDUCER, ENGINE OIL FILTER, BOTH CHIP DETECTORS, PC
FILTER AND FUEL NOZZLE.

REPLACED FUEL PUMP FILTER P/N 038072-05.

INSTALLED NEW STARTER SEAL P/N 6854424.

FLOW CHECK 200 CC'S. CLEANED COMPRESSOR. GROUND RUN, TEST FLOWN AND RETURNED TO SERVICE.

I certify that this aircraft has been inspected in accordance with
a 100/300/ANNUAL inspection and was determined to be in
airworthy condition at 14212.7 hours aircraft total time.

Details of file at this Repair Station under

W.O. # 1485 Date 04/01/13

Authorized Signature [Signature]

For: JOE BRIGHAM INC
FAA REPAIR STATION #FTYR033E
720 CLOUGH MILL ROAD
PEMBROKE, NH 03275



INSPECTION - MAINTENANCE - OVERHAUL RECORD

ENGINE ASSEMBLY



GT-2784A (1-94)

Engine Serial Number CAE-_____

Engine Model 250-_____

Part IV
Page No. _____

05/02/14 N929KC S/N 3605 ACFT TT 14266.5 ENG TT 22302.9 ENG S/N CAE-831241 CYCLES 16912
HOBBS 437.2 WO# 1529

COMPLETED 100 HOUR INSPECTION IN ACCORDANCE WITH ROLLS ROYCE 250-C20J ENGINE MAINTENANCE
MANUAL 10W2 WITH REV 18 DATED 1 JUN 13, TABLE 602.

CLEANED AND INSPECTED ENGINE OIL FILTER, BOTH CHIP DETECTORS, OIL CHECK VALVE, FUEL NOZZLE AND
BURNER DRAIN VALVE.

REPLACED FUEL PUMP FILTER P/N 038072-05.

REMOVED GOVERNOR P/N 2524667-15, S/N 21560 FOR CEB 1413 COMPLIANCE AND O/H. INSTALLED O/H
GOVERNOR P/N 23065121, S/N 3155BR TSO: 0.0.

COMPLETED POWER CHECK: 4000' (1.0%), 6000' (4.0%), 8000' (4.8%).

FLOW CHECK 200 CC'S. CLEANED COMPRESSOR. GROUND RUN, LEAK CHECKED AND RETURNED TO SERVICE

I certify that this aircraft has been inspected in accordance with a 100 Hr/Annual inspection and was determined to be in
airworthy condition at 22302.9 hours engine total time. Details of file at this Repair Station under

W.O. # 1529 Date 05/02/14 Authorized Signature Gary Thompson

For: JOE BRIGHAM INC

FAA REPAIR STATION #FTYR033E

720 CLOUGH MILL ROAD

PEMBROKE, NH 03275

ization



INSPECTION - MAINTENANCE - OVERHAUL RECORD

ENGINE ASSEMBLY



GT-2784A (1-94)

Part IV

Page No. _____

Engine Serial Number CAE-_____

Engine Model 250-_____

Date	Engine Time		Remarks	Signature and Certificate No.	Organization	
	Since OH	Total				
03/24/15	N929KC	S/N 3605	ACFT TT 14301.7	ENG TT 22338.1	ENG S/N CAE-831241	CYCLES 16980
HOBBS 472.4 WO# 1595						
COMPLETED 100 HOUR INSPECTION IN ACCORDANCE WITH ROLLS ROYCE 250-C20J ENGINE MAINTENANCE MANUAL 10W2 WITH REV 19 DATED 1 JUN 14, TABLE 602.						
CLEANED AND INSPECTED ENGINE OIL FILTER, BOTH CHIP DETECTORS, OIL CHECK VALVE, FUEL NOZZLE AND BURNER DRAIN VALVE.						
REPLACED FUEL PUMP FILTER P/N 038072-05.						
C/W CEB A-1416 COMPRESSOR FRONT SUPPORT INSPECTION.						
COMPLETED POWER CHECK: 4000' (-1.9%), 6000' (4.0%), 8000' (3.5%).						
FLOW CHECK 110 CC'S. CLEANED COMPRESSOR. GROUND RUN, LEAK CHECKED AND RETURNED TO SERVICE						
I certify that this aircraft has been inspected in accordance with a <u>100 Hr/Annual</u> inspection and was determined to be in airworthy condition at <u>22338.1</u> hours engine total time. Details of file at this Repair Station under W.O. # <u>1595</u> Date <u>03/24/15</u> Authorized Signature <u>Gary Thompson</u> For: JOE BRIGHAM INC FAA REPAIR STATION #FTYR033E 720 CLOUGH MILL ROAD PEMBROKE, NH 03275						

4927 East Falcon Drive, Mesa, Arizona 85215 800-321-7903 Fax 602-830-8988 Allison AMC FAA CRS #XZNR915L



INSPECTION - MAINTENANCE - OVERHAUL RECORD

ENGINE ASSEMBLY



GT-2784A (1-94)

Engine Serial Number CAE-_____

Engine Model 250-_____

Part IV

Page No. _____

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

06/21/16 N929KC S/N 3605 ACFT TT 14332.4 ENG TT 22368.8 ENG S/N CAE-821378F CYCLES 17030

HOBBS 503.1 WO# 1696

COMPLETED 100 HOUR INSPECTION IN ACCORDANCE WITH ROLLS ROYCE 250-C20J ENGINE MAINTENANCE MANUAL 10W2 WITH REV 21 DATED 1 JUN 16, TABLE 602.

CLEANED AND INSPECTED ENGINE OIL FILTER, BOTH CHIP DETECTORS, OIL CHECK VALVE, FUEL NOZZLE AND BURNER DRAIN VALVE.

REPLACED FUEL PUMP FILTER P/N 038072-05.

FLOW CHECK 110 CC'S. CLEANED COMPRESSOR. GROUND RUN, LEAK CHECKED AND RETURNED TO SERVICE

I certify that this aircraft has been inspected in accordance with a 100 Hr/Annual inspection and was determined to be in
airworthy condition at 22368.8 hours engine total time. Details of file at this Repair Station under
W.O. # 1696 Date 06/21/16 Authorized Signature Gary Thompson

For: JOE BRIGHAM INC

FAA REPAIR STATION #FTYR033E

720 CLOUGH MILL ROAD

PEMBROKE, NH 03275

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. _____

Engine Serial Number CAE-

Engine Model 250-

anization

04/21/17 N929KC S/N 3605 ACFT TT 14377.4 ENG TT 22413.8 ENG S/N CAE-821378F CYCLES 17105
HOBBS 548.1 WO# 1766

COMPLETED 100 HOUR/ANNUAL ENGINE INSPECTION IN ACCORDANCE WITH ROLLS ROYCE 250-C20J ENGINE
MAINTENANCE MANUAL 10W2 WITH REV 21 DATED 1 JUN 16, TABLE 602.

C/W 100 HR PC SAFETY VALVE INSPECTION WITH NO DEFECTS NOTED. (AA-06107 & ASB AA-99045).

CHANGED ENGINE OIL WITH ROYCO 560 OIL.

CHANGED FACET ENGINE OIL FILTER P/N 038088-08 AND SEAL KIT P/N 1741125

C/W 100 HR OCC LEAK TEST CHECK

CLEANED AND INSPECTED ENGINE OIL FILTER, BOTH CHIP DETECTORS, OIL CHECK VALVE, FUEL NOZZLE AND BURNER
DRAIN VALVE.

REPLACED FUEL PUMP FILTER P/N 038072-05.

FLOW CHECK 200 CC'S. CLEANED COMPRESSOR. GROUND RUN, LEAK CHECKED AND RETURNED TO SERVICE

I certify that this aircraft has been inspected in accordance with a 100 Hr /12 Month inspection and was determined to be in
airworthy condition at 22413.8 hours engine total time. Details of file at this Repair Station under

W.O. # 1766 Date 04/21/17 Authorized Signature Gary Thompson

For: JOE BRIGHAM INC

FAA REPAIR STATION #FTYR033E

720 CLOUGH MILL ROAD

PEMBROKE, NH 03275

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV

Page No. _____

Engine Serial Number

CAE-

Engine Model

250-

02/08/18 N929KC S/N 3605 ACFT TT 14423.9 ENG TT 22460.3 ENG S/N CAE-821378F CYCLES 17188 HOBBS 594.6 WO# 1974
COMPLETED 100/300 HR/ANNUAL ENGINE INSPECTION IN ACCORDANCE WITH ROLLS ROYCE 250-C20J ENGINE MAINTENANCE MANUAL 10W2
WITH REV 22 DATED 01 JUN 2017, TABLE 602.
CHANGED ENGINE OIL WITH ROYCO 560 OIL.
CHANGED FACET ENGINE OIL FILTER P/N 038088-08 AND SEAL KIT P/N 1741125.
C/W 100 HR OCC LEAK TEST CHECK.
CLEANED AND INSPECTED ENGINE OIL FILTER, BOTH CHIP DETECTORS, OIL CHECK VALVE, FUEL NOZZLE AND BURNER DRAIN VALVE.
REPLACED FUEL PUMP FILTER P/N 038072-05.
C/W AD 2017-18-14 THIRD AND FOURTH STAGE TURBINE WHEEL INTEGRITY INSPECTION. FOUND N/A BY WHEEL P/N'S INSTALLED.
FLOW CHECK 200 CC'S. CLEANED COMPRESSOR, GROUND RUN, LEAK CHECKED, POWER CHECK 4000' (5.3), 6000' (8.6) & 8000' (9.0) AND
RETURNED TO SERVICE.

ation

I certify that this aircraft has been inspected in accordance with a 100/300 HR/12 MONTH inspection and was determined to be in
airworthy condition at 22460.3 hours engine total time. Details of file at this Repair Station under
W.O. # 1974 Date 02/08/18 Authorized Signature Eric Niquette

For: JOE BRIGHAM INC
FAA REPAIR STATION #FTYR033E
720 CLOUGH MILL ROAD
PEMBROKE, NH 03275

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. _____

Engine Serial Number CAE-821378F Engine Model 250-

04/03/19 N929KC S/N 3605 ACFT TT 14458.2 ENG TT 22494.6 ENG S/N CAE-821378F CYCLES 17245 HOBBS 628.9 LANDINGS 17418 WO# 2220
COMPLETED 100 HR/ANNUAL ENGINE INSPECTION REF ROLLS ROYCE 250-C20J ENGINE MAINTENANCE MANUAL 10W2 WITH REV 23 DATED 01 JUN 2018
(INCLUDING UP TO TR E6R23-72-5 DATED 04 DEC 2018), TABLE 602.
CHANGED ENGINE OIL WITH ROYCO 560 OIL.
REPLACED FUEL PUMP FILTER P/N 038072-05.
C/W 100 HR OCC LEAK-TEK CHECK.
CLEANED AND INSPECTED ENGINE OIL FILTER, BOTH CHIP DETECTORS, OIL CHECK VALVE, FUEL NOZZLE AND BURNER DRAIN VALVE.
REMOVED LEAKING N1 TACHOMETER-GENERATOR SEAL AND REPLACED WITH NEW SEAL P/N 23064567.
C/W AD 2018-13-01 POWER TURBINE GOVERNOR BEARING REPLACEMENT. FOUND N/A DUE TO BEARING P/N INSTALLED.
FLOW CHECK 200 CC'S. CLEANED COMPRESSOR, GROUND RUN, LEAK CHECKED, POWER CHECK 4000' (1.7%), 6000' (4.3%) & 8000' (4.5%) AND RETURNED
TO SERVICE.

I certify that this aircraft has been inspected in accordance with a 100 Hr/12 Month inspection and was determined to be in
airworthy condition at 22494.6 hours engine total time. Details of file at this Repair Station under
W.O. # 2220 Date 04/03/19 Authorized Signature Patrick Vaughan

For: JOE BRIGHAM INC
FAA REPAIR STATION #FTYR033E
720 CLOUGH MILL ROAD
PEMBROKE, NH 03275

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. _____

Engine Serial Number CAE-821378F

Engine Model 250-C20B



JBH
HELICOPTER
SERVICES

FAA CRS #FTYR033E

Date: 3/18/2020
Work Order # 2443

Aircraft Reg: N929KC

Aircraft S/N: 3605

Model: BHT 206B3

Hobbs: 667.6

Aircraft TT: 14,496.9

Engine S/N: CAE-821378F

Engine Model: M250-C20B

Engine TT: 22,533.3

Engine cycles: 17,303

- 1 Completed 100/300 hr/12 month engine inspection ref Table 602, Rolls Royce M250-C20B maintenance manual with rev. 24, dated 01 June 2019.
 - 2 Changed engine oil with Royco 560 turbine oil.
 - 3 Replaced fuel pump filter p/n 038072-05.
 - 4 Cleaned and inspected engine oil filter, both chip detectors, fuel nozzle, burner drain valve, Pc filter, #1 bearing pressure reducer and oil check valve.
 - 5 Completed outer combustion case leak-tec check.
 - 6 Removed corroded engine gearbox oil filter housing p/n 23035102, s/n 14913. Replaced with overhauled housing p/n 23035102, s/n 38544, TSO: 0.0.
 - 7 Flow check 200 CC's.
 - 8 Completed power check: 4000' (3.9%), 6000' (4.7%), 8000' (1.9%).
- Cleaned compressor, ground run, leak checked and returned to service.

I certify that this engine has been inspected in accordance with a 100/300 hour/12 month inspection and was determined to be in airworthy condition at 22533.3 hours engine total time. Details of file at this Repair Station under W.O. # 2443 Date 03/18/20 Authorized Signature Patrick Vaughan

For: JOE BRIGHAM INC
FAA REPAIR STATION #FTYR033E
720 CLOUGH MILL ROAD
PEMBROKE, NH 03275

Inspection - Maintenance - Overhaul Record

Engine Assembly



Rolls-Royce

Part IV

Page No.

Engine Designation 250-C20B

Engine Serial Number

CAE-821378F



JBI
HELICOPTER
SERVICES

FAA CRS #FTYR033E

Date: 4/2/2021
Work Order # 2674

Aircraft Reg: N929KC
Aircraft S/N: 3605
Model: BHT 206B3
Hobbs: 709.9
Aircraft TT: 14,539.2

Engine S/N: CAE-821378F
Engine Model: M250-C20B
Engine TT: 22,575.6
Engine cycles: 17,354

- 1 Completed 100/300 hr/12 month engine inspection ref Table 602, Rolls Royce M250-C20B maintenance manual with rev. 25, dated 01 June 2020.
 - 2 Changed engine oil with Royco 560 turbine oil.
 - 3 Replaced fuel pump filter p/n 038072-05.
 - 4 Cleaned and inspected engine oil filter, both chip detectors, fuel nozzle, burner drain valve, Pc filter, #1 bearing pressure reducer and oil check valve.
 - 5 Completed outer combustion case leak-tec check.
 - 6 Removed damaged R/H Pc safety valve p/n 250-954-105, s/n 5047 and replaced with overhauled valve p/n 250-954-105, s/n 5540, TSN: 3891.4, TSO: 0.0.
 - 7 Removed leaking fuel pump p/n 6899253, s/n T105785, TSN: 7835.9, TSO: 3344.9. Replaced with overhauled fuel pump p/n 6899253, s/n T109491, TSN: UNK, TSO: 0.0.
 - 8 Flow check 200 CC's.
 - 9 C/W engine compressor wash.
 - 10 Completed power check: 4000' (3.5%), 6000' (6.1%), 8000' (7.7%).
- Ground run, leak checked and returned to service.

I certify that this engine has been inspected in accordance with a 100/300 hour/12 month inspection and was determined to be in airworthy condition at 22575.6 hours engine total time. Details of R/E at this Repair Station under W.O. # 2674 Date 04/02/21 Authorized Signature Patrick Vaughan

For: JOE BRIGHAM INC
FAA REPAIR STATION #FTYR033E
720 CLOUGH MILL ROAD
PEMBROKE, NH 03275

GT-2784AT-L (3/11)

Inspection - Maintenance - Overhaul Record

Engine Assembly



Rolls-Royce

Part IV

Page No.

Engine Designation 250-C20B

Engine Serial Number

CAE-821378F



JBI
HELICOPTER
SERVICES

FAA CRS #FTYR033E

Date: 8/18/2021
Work Order # 2785

Aircraft Reg: N929KC
Aircraft S/N: 3605
Model: BHT 206B3
Hobbs: 0.0
Aircraft TT: 14,588.7

Engine S/N: CAE-821378F
Engine Model: M250-C20B
Engine TT: 22,595.1
Engine cycles: 17,383

zation

- 1 Completed engine compressor wash.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine or appliance identified above was repaired and inspected in accordance with current maintenance rules of the federal regulations and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under WO# 2785 Date 08/18/21 Signed Mark Crisp

Authorized Representative
For: Joe Brigham Inc CRS# FTYR033E
720 Clough Mill Road
Pembroke, NH 03275

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. _____

Engine Serial Number CAE- 821378F Engine Model 250-C20B

Date	Engine Time	Remarks	Signature and	Organization
 JBI HELICOPTER SERVICES FAA CRS #FTYR033E	<u>Date:</u> 4/5/2022 <u>Work Order #</u> NHE2935 <u>Aircraft Reg:</u> N929KC	<u>Acft s/n:</u> 3605 <u>Acft Model:</u> Bell 206B3 <u>Aircraft TT:</u> 14,566.6 <u>Hobbs:</u> 7.9	<u>Engine s/n:</u> CAE-821378F <u>Eng Model:</u> M250-C20B <u>Engine TT:</u> 22,603.0 <u>Engine cycles:</u> 17,400	
Performed the following maintenance ref Rolls Royce M250-C20B maintenance manual with rev. 25, dated 01 June 2020:				
1 Completed 100 hr/12 month engine inspection (Table 602). 2 Changed engine oil with Royco 560 turbine oil. 3 Replaced fuel pump filter p/n 038072-05. 4 Completed outer combustion case leak-tec check. 5 C/W engine compressor wash. 6 Flow check 200 CC's. 7 Completed power check: 4000' (2.1%), 6000' (5.8%), 8000' (6.1%).				
Additional maintenance performed:				
1 Removed leaking starter-generator seal and replaced with new seal p/n 23079054. Ground run, leak checked, and returned to service.				
I certify that this engine has been inspected in accordance with a <u>100 hour/12 month</u> inspection and was determined to be in airworthy condition at <u>22603.0</u> hours engine total time. Details of file at this Repair Station under W.O. # <u>NHE2935</u> Date <u>04/05/22</u> Authorized Signature <u>Patrick Vaughan</u>				
For: JOE BRIGHAM INC FAA REPAIR STATION #FTYR033E 720 CLOUGH MILL ROAD PEMBROKE, NH 03275				
GT-2784A (12/98)				

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV

Page No. _____

Engine Serial Number CAE-821378F Engine Model 250-C20B



FAA CRS #FTYR033E

Date: 5/12/2023

Work Order # NHE3030

Aircraft Reg: N929KC

Acft s/n: 3605

Acft Model: Bell 206B3

Aircraft TT: 14,594.3

Hobbs: 35.6

Engine s/n: CAE-821378F

Eng Model: M250-C20B

Engine TT: 22,630.7

Engine cycles: 17,441

Performed the following maintenance ref Rolls Royce M250-C20B maintenance manual with rev. 25, dated 01 June 2020.
(Including and up to TR E6R25-72-3 & E6R25-73-1 dated January 31, 2023):

- 1 Completed 100 hr engine inspection (Table 602).
- 2 Changed engine oil with Royco 560 turbine oil.
- 3 Replaced fuel pump filter p/n 038072-05.
- 4 Completed outer combustion case leak-tec check.
- 5 C/W engine compressor wash.
- 6 Flow check 200+ CC's.
- 7 Completed power check: 4000' (0.8%), 6000' (6.8%), 8000' (10.1%).

Ground run, leak checked, and returned to service.

I certify that this engine has been inspected in accordance with a 100 hour/12 Month inspection and was determined to be in airworthy condition at 22630.7 hours engine total time. Details of file at this Repair Station under

W.O. # NHE3030 Date 05/12/23 Authorized Signature Patrick Vaughan

For: JOE BRIGHAM INC
FAA REPAIR STATION #FTYR033E
720 CLOUGH MILL ROAD
PEMBROKE, NH 03275

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. _____

Engine Serial Number CAE- 821378F

Engine Model 250-C20B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
			 J61 HELICOPTER SERVICES FAA CRS #FTYR033E Date: 5/8/2024 Work Order # NHE3264 Aircraft Reg: N929KC Acft s/n: 3605 Acft Model: Bell 206B3 Aircraft TT: 14,615.2 Hobbs: 56.5 Engine s/n: CAE-821378F Eng Model: M250-C20B Engine TT: 22,651.6 Engine cycles: 17,484		
Performed the following maintenance ref Rolls Royce M250-C20B maintenance manual with rev. 25, dated 01 June 2020. (Including and up to TR E6R25-72-3 & E6R25-73-1 dated January 31, 2023): 1 Completed 100 hr/12 month engine inspection (Table 602). 2 Changed engine oil with Royco 560 turbine oil. 3 Replaced fuel pump filter p/n 038072-05. 4 Completed outer combustion case leak-tec check. 5 C/W engine compressor wash. 6 Flow check 200+ CC's. 7 Completed power check: 4000' (7.6%), 6000' (7.3%), 8000' (9.1%). Ground run, leak checked, and returned to service. I certify that this engine has been inspected in accordance with a <u>100 hour/12 Month</u> inspection and was determined to be in airworthy condition at <u>22651.6</u> hours engine total time and approved for return to service. Details of file at this Repair Station under W.O. # <u>NHE3264</u> Date <u>05/08/24</u> Authorized Signature <u>Patrick Vaughan</u> For: JOE BRIGHAM INC FAA REPAIR STATION #FTYR033E 720 CLOUGH MILL ROAD PEMBROKE, NH 03275					

Inspection - Maintenance - Overhaul Record

Engine Assembly



Rolls-Royce

Part IV

Page No. _____

Engine Serial Number CAE- Engine Model 250-

[illegible]

ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V
Page No. 1

FORM 2785 A

Engine Serial Number CAE- 821378 F

Engine Model 250- C20.6

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
Grbx. Assy.	6877180	31376	10-5-73	0.0	New	12Nov74	738:45	New	Metal/Repair
Cmpssr.	6853337	31811	"	"	"	6-1-76	2496:50	2496:50	Emulsion damage #1 Bag failure
Trbn.	6853329	31377	"	"	"	12Nov74	738:45	New	Metal/Repair
Cntrl.	6851506	3AAC2203	"	"	"	Previously			
Gvrnr.	6851468	3AAD2275	"	"	"	Previously			
Pump	6876721	FE2691	"	"	"	Previously Removed			
Fuel Nozzle	6874959	AG19514	"	"	"	Previously			
Bleed Valve	6875120	FF14221	"	"	"	Previously Removed			
Fuel Control	104100A8	1AAC552	9-03-74	524:25	1402:05	Previously			Removed
Governor	6851468C	3AAD1032	9-03-74	524:25	- 0 -	11-2-74	738:45	214:20	for use on another engine
Fuel Pump	6876803	PE1562A	11-5-74	738:45	1347:55	1-2-75	738:45	1347:55	inspection
Gearbox Assy	6877180	31376	9Dec74	738:45	738:45				
Turbine Assy	6853329	31377	9Dec74	738:45	New	Previously			Removed

ASSEMBLY RECORD

ENGINE ASSEMBLY

 Part V
 Page No.

2

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
Governor	104100A6	1AAD131	1-02-75	738:45	1078:20				
Fuel Pump	6876803	PE1097	1-02-75	738:45	794:05				
Fuel Pump	6876721	PE3396	3-3-76	2290:15	1085:30				
Governor	104500A4	2AAD1261	3-3-76	2290:15	511:40	Previously Removed			
Fuel Control	104000A11	3AC1512	3-3-76	2290:15	1019:00				
Turbine Assy	6887195	CAT 30286P	3-3-76	2290:15	1295:05	5-25-76	2484:20	1489:10	Overhaul
Governor	104500A11	1AAD 520	6-4-76	2496:50	837:35				
Compressor	6853337	CAC 32726	6-4-76	2496:50	-0-	10-2-79	5810:55	3314:10	O/H.
Turbine	6887195	CAT 31046P	6-4-76	2496:50	10:25	5-31-77	3090:35	808:10	overhaul
Fuel pump	6895172	PE 2063	04/21/77	2913:50	214:45	Previously		Removed	
Governor	6895174	3AAD 1524	04/21/77	2913:50	632:40	Previously		Removed	
Fuel Control	104000A11	4AAC 2730	06-03-77	3090:30	892:10	Previously removed			
Turbine	6887195	CAT 31319P	06-03-77	3090:30	1273:55	Previously removed			
Gov.	104100A11A	3AAD 1526	06-03-77	3090:30	1141:55	Previously removed			
Fuel Pump	6895181	PE 3052	06-03-77	3090:30	758:40	Previously removed			

ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V 3
Page No.

FORM 2785 A

Engine Serial Number CAE 821378 F

Engine Model 250-CZAB

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
Fuel Control	104-200A11-10 344-1559	344-1559	12/12/77	3799:25	598:40	Previously removed			
Fuel pump	68915190	PE450M	12/12/77	3799:25	1530:50	Previously removed			
Fuel Governor	104100A12-10	2AAD1063	12/12/77	3799:25	405:55	Previously removed			
Turbine	6887195	CAT20684	12/12/77	3799:25	1382:20	Previously removed			
Fuel Control	104000 A11-1410	1AAC185	10-16-79	5810:55	1735:30				
Fuel Pumps	024918407	PE130	10-16-79	5810:55	-0-				
Fuel Governor	104100 A12-113	3AAD 1523	10-16-79	5810:55	2668:40				
Turbine	6898734	CAT 70349P	10-16-79	5810:55	2649:35	10-16-79	5810:55	2649:35	High 3/B pressure 22.6" H ₂ O.
Compressor	6853337	CAE 30237	10-16-79	5810:55	1362:55		7677:00		Air blockage + high time
Bleed Valve	6899115	FF 16859	10-16-79	5810:55	221:35	Previously removed			
Turbine	6898734	CAT 3084P	10-17-79	5810:55	2649:35				
Bleed valve	6899115	FC21048	6-19-81	7269:00	285:00	Previously removed.			
Fuel Pump	024918407	PE1306	6-19-81	7269:00	-0-	Previously removed.			

[illegible]



COOPER AIRMOTIVE

CAI-3A042-2

ASSEMBLY RECORD

ENGINE ASSEMBLY

 Part V
 Page No. 5
Engine Serial Number CAE 821378FEngine Model 250-C20B

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
Compressor	6890550	CAC 39317	7-22-84	9175:30	2374:55	4-22-85	10300:45	261:20	Previously ^{Removed}
Gear Box	6894171	CAG 34269	7-22-84	9175:30	4955:10	4-22-85	10300:45	—	TM left fleck
Turbine	6899229	CAT 40269	7-22-84	9175:30	1702:50	Removed in field.			
Compressor	6890550	CAC 39345	4-24-85	10322:45	26:20	2-23-87	11,540:40	1244:15	for use on another engine
Gearbox	83001923	CAG 27054	4-24-85	10322:45	—	2-4-87	11,540:40	4123:40	Missing Turb. Mount stud.
Gearbox	23001923	OHG 27054	4-16-87	11,540:40	4123:40	Previously removed			
Turbine	6898735	CAT 37765	4-16-87	11,540:40	1077:00	Removed in field.			
Comp.	6890550	CAC 35196	2-24-87	11,540:40	1342:05	11-23-88	12860:30	2661:55	Impeller Lt.
Gearbox	6894171	CAG 34293	Installed in field.			11-24-88	13055:20	2261:40	Metal in oil
✓ Gearbox	6894171	CAG 33006	11-28-88	13055:20	9830:50	5-4-92	15,752:55	12,527:25	Worn 100 tac drive
✓ Compressor	6890550	CAC 39229	Installed in field.			5-4-92	15,752:55	2891:25	low power overhaul
✓ Turbine	6899229	CAT 40278	Installed in field. —			7/9/89	13726:30	2296:05	d/w 1750 minap
Turbine	6898735	CAT 33402	7/13/89	13,726:30	1351:20	Removed in field			



COOPER AIRMOTIVE

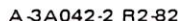
CAI-3A042-2

ASSEMBLY RECORD

ENGINE ASSEMBLY

 Part V
 Page No. 6
Engine Serial Number OAE 821348FEngine Model 250-030B

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
Home Base	6894171	CAG 33643	5-1-92	15,752:55	15,752:55	12/10/93	17,091:00	17,091:00	Tim/Bons Hank.
Compression	6890550	CAG 40527	5-4-92	15,752:55	0:0	12/2/93	17,091:00	1338:05	Transferred
Turbine	6898735	CAT 21025F	5-4-92	15,752:55	1603:50	5-1-93	15,752:55	603:50	Turbine showing low power.
Turbine	6898735	CAT 21925F	5-10-92	15,752:55	2325:05	Previously Removed			
Gearbox Assy	6894171	CAG 38545	4-15-94	17091:00	4165:15	11-20-97	18786:50	—	Broken Comp. Mount
Turbine Assy.	6898735	CAT 31604F	4-15-94	17091:00	1126:30	5-10-94	17091:00	1126:30	Transferred
Compressor Assy	6890550	CAG 41896	4-15-94	17091:00	1796:20	11-20-97	18786:50	3492:10	O/H
Turbine Assy	6898735	CAT 24829	5-17-94	17091:00	—	Previously Removed			
Gearbox	6894171	CAG 38940	2-26-98	18786:50	—				
Compressor	6890550	CAT 39249	2-26-98	18786:50	—	09/02/09	22053.7	3267.2	Compressor Sta.
Turbine	6898735	CAT 31729F	2-26-98	18786:50	—	PREVIOUSLY REMOVED			
Fuel Nozzle	23077068	AG50191	9-1-05	21995.1					
TURBINE	6898735	36996	8/5/02	21498.4	2214.15	11/7/11	22181.5	2897.2	CONTAINMENT RING MOD.

Part V
Page No. _____

Engine Model 250-C20B

[illegible]

[illegible]

Service Accessory Record



Rolls-Royce

Nomenclature Governor

Part I

Page No. 1

Component Serial Number 3155BR

Engine Model 250- CRo

Installed					Removed			
Date	Engine S/N	A/C S/N	Accessory Time		Date	Accessory Time		Reason
		Reg. No.	Since OH	Total		Since OH	Total	
5/7/08	CAE 290031	U20606937 N 891LL	New	0.0	1-17-14	1365.6	UNK	0/H
5-2-14	CAE 821378F	3605 N929KC	0.0	UNK				

Service Accessory Record



Rolls-Royce

Nomenclature Governor

Part I

Page No. 1

Component Serial Number 3155BR

Engine Model 250- C20

Installed					Removed			
Date	Engine S/N	A/C S/N	Accessory Time		Date	Accessory Time		Reason
		Reg. No.	Since OH	Total		Since OH	Total	
5/7/08	CAE 290031	U20606937 N 891LL	New	0.0	1-17-14	1365.6	UNK	O/H
5-2-14	CAE 821378F	3605 N929KC	0.0	UNK				

SAL-AMO #22-58