


**Owner Information**

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

**AvidAir**  
**Warranty Registration - Log Card**

Case Assembly S/N: **19371**  
 DATE SHIPPED: 05-17-11

		Installed			Removed		
		Compressor CAC - 33522	CF Case P/N 23057142 S/N 19371		Compressor CAC	CF Case	
Technician	Signature	Date	ENG TT Cycles	TSO Cycles	Date	TT Cycles	TSO Cycles
	<i>Rm</i>	05/26/11	8298.4 1568	0 0			
Inspection Notes:							
Inspection Notes:							
Inspection Notes:							
Inspection Notes:							

See reverse side for warranty information.

# CYCLE RECORD COMPRESSOR ASSEMBLY

(Refer to Life Limiting CSL)

Compressor Serial Number CAC - 33522

Engine Model 250-C20B

Installed				Do Not Exceed Cycle Counter Reading	Removed		Cycles This Installation
Date	Owner	Eng S/N	Cycle Counter Reading		Date	Cycle Counter Reading	
5-16-77	VA Energy	830517	0:0	9150	Mar85	3880	3880
Mar/85	VA Energy	830517	3880	9150			Total Cycles 7681





# ASSEMBLY RECORD COMPRESSOR ASSEMBLY



Compressor Serial Number CAC- 33522

Engine Model 250- C20B

Nomenclature		Part number Serial number	INSTALLED		REMOVED			
			Date	Compressor	Component	Date	Compressor	Component
				TT CYCLES	TT CYCLES		TT CYCLES	TT CYCLES
Impeller	23058147	19 Dec 06	8073.2	0.0	Nov 13, 2013	10445.8	2372.6	
	KR111010		14,144	0				
Case Halves	23057142	11-May-2010	9369.8	0.0 TSO	May 26, 2011	9740.2	370.4tso	
	24114							
Case Halves	23057142	May 26, 2011	9740.2	0.0 TSO				
	19371							
1st Stage Wheel	23057111	Nov 13, 2013	10445.8	6408.1				
	KR 86695							
2/3 Stage Wheel	23057112	Nov 13, 2013	10445.8	6408.1				
	KR75419							
4th Stage Wheel	23057114	Nov 13, 2013	10445.8	6755.0				
5th Stage Wheel	23057115	Nov 13, 2013	10445.8	1020.3				
	C24237							
6th Stage Wheel	23057116	Nov 13, 2013	10445.8	0.0tso				
	KR50085							
Impeller	23079638	Nov 13, 2013	10445.8	0.0				
	KR121218			0				

**AIRWORK**

Allison

# ASSEMBLY RECORD

## COMPRESSOR ASSEMBLY

PART V

Page No. 4Compressor Serial Number CAC 33522Compressor Model 250 - C20B

NOMENCLATURE	PART NO. SERIAL NO.	INSTALLED			REMOVED			REASON
		DATE	COMP. TT T/cy	THIS ITEM TT T/cy	DATE	COMP. TT T/cy	THIS ITEM TT T/cy	
6 <sup>th</sup> stg. wheel	23057116		6,994.2	T50=Ø	Nov 13, 2013	10,445.8	3,451.6	tso overhaul
	KR50085	05.18.04	13,560	UNK				
Spline adapter	23076559-3		6,994.2	0.0		8,073.2	1,079.0	Worn
	284 932	05.18.04	13,560	Ø	19 Dec 06	14,144	584	
Spur gear shaft	E23031922		6,994.2	0.0		8,073.2	1,079.0	Splines Worn
	SG19-233	05.18.04	13,560	Ø	19 Dec 06	14,144	584	
Tie bolt	E6871259		6,994.2	0.0	Nov 13, 2013	10,445.8	3,451.6	overhaul
	PR2-338	05.18.04	13,560	Ø				
Case halves	23057142		6,994.2	T50=Ø	May 11, 2010	9,369.8	2,375.6	Plastic Missing
	24285	05.18.04	13,560	UNK				
Impeller Adapter	23058147		6,994.2	1,458.0		8,073.2	2,537	-3 Coupling Removed
	KR88832	05.18.04	13,560	1,688	19 Dec 06	14,144	2,272	
Coupling	23076559-1		8,073.2	0.0	Nov 13, 2013	10,445.8	2,372.6	overhaul
	312235	19 Dec 06	14,144	0				
S.A.G.S.	23031922AL		8,073.2	0.0	Nov 13, 2013	10,445.8	2,372.6	overhaul
	SG25-092	19 Dec 06	14,144	0				

Compressor Serial Number CAC 33522

Compressor Model 250 - C20B

NOMENCLATURE	PART NO. SERIAL NO.	INSTALLED			REMOVED			REASON
		DATE	COMP. TT	THIS ITEM TT	DATE	COMP. TT	THIS ITEM TT	
			T/cy	T/cy		T/cy	T/cy	
6th Stg whl	23057116	9-10-97	4037.7	NEW	05.18.04	6994.2	2956.5	blade erosion
	KR-49332		8717	—		13,560	UNK	
Spline Adapter	23039791	9-10-97	4037.7	NEW	05.18.04	6994.2	2956.5	CEB-A1392
	66800		8717	—		13,560	UNK	
Tie Bolt	6871259	9-10-97	4037.7	NEW	05.18.04	6994.2	2956.5	thread damage
	KV59578		8717	—		13,560	UNK	
Case Helves	23057142	9-10-97	4037.7	UNK	3-17-00	5779.9	UNK	OIH
	32224		8717	T50-0-		<del>11557</del>	T501742.2	
Spur Gear	23031922	3-27-00	5779.9	NEW	05.18.04	6994.2	1214.3	step wear
	CG-126142		<del>11557</del>	—		13,560	2,003	
Case Helves	6887167	3-27-00	5779.9	UNK	05.18.04	6994.2	1214.3	requires overhaul
	CX-30571		<del>11557</del>	T50-0-		13,560	2,003	
4th stg. wheel	23060404	05.18.04	6994.2	T50 = ∅	Nov 13, 2013	10445.8	3451.6	tso overhaul
	ER58585		13,560	UNK				
5th stg. wheel	23057115	05.18.04	6994.2	T50 = ∅	Nov 13, 2013	10445.8	3451.6	tso overhaul
	KR41313		13,560	UNK				

# ASSEMBLY RECORD COMPRESSOR ASSEMBLY

CAC - 33522

250-C20B

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Comp. Total Time	This Item TT Cycles	Date	Comp. Total Time	This Item TT Cycles	
2-3 St Wh	23060422	KR47713	3/85	1367.1	NEW	9-10-97	4037.7	2670.6	Scrapped - Pitting erosion of blades
	00				—				
Impeller	23058147	KR 94877	7/95	3491.2 7681	New	05.18.04	6,994.2	3503.0	overhaul to
					0			5,879	
Adapter Coupling	23039791	63928	7/95	3491.2	New	9-10-97	4037.7	546.5	Scrapped - Fretting wear on
					NA			—	
S.A.G.	23031922	CG 116094	7/95	3491.2	New	3-17-00	5779.9	2288.7	Scrap - Spelling Gear teeth worn & chipping
					NA			—	
Tie Bolt	6871259	ER 35492	7/95	3491.2	UNK	9-10-97	4037.7	UNK	Scrapped - Excessive Corrosion
					NA			—	
Cases	23057142	26208	7/95	3491.2	TSO	9-10-97	4037.7	UNK	Sent for oil
					0.0			150546.5	
1st st whl	23057111	KR. 86695	9-10-97	4037.7	New	Nov 13, 2013	10445.8	6408.1	Overhaul
					—			—	
2nd-3rd whl	23057112	KR. 75419	9-10-97	4037.7	New	Nov 13, 2013	10445.8	6408.1	Overhaul
					—			—	
4th st whl	23057114	KR. 64527	9-10-97	4037.7	1973.2	05.18.04	6,994.2	4,929.7	blade erosion
					150-0-			UNK	
5th st whl	23057115	E- 58977	9-10-97	4037.7	New	05.18.04	6,994.2	2,956.5	blade erosion
					—			UNK	

# ASSEMBLY RECORD

## COMPRESSOR ASSEMBLY

Part V  
Page No. 1

FORM 2785 B (FRONT)  
REV. 12/70

Compressor Serial Number CAC - 33522

Engine Model 250-C20B

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Comp. Total Time	This Item	Date	Comp. Total Time	This Item	
					TT Cycles			TT Cycles	
1ST STG. WHL.	6890501	C38837	5-16-77	0.0	0.0	3/85	1367.1	1367.1 3880	FOD-BT
2-3 STG. WHL.	6890502	C30418	"	0.0	0.0	3/85	1367.1	1367.1 3880	FOD-BT
4TH STG. WHL.	23060404 <del>6876654</del>	C30780	"	0.0	0.0	9-10-97	4037.7	4037.7 —	Scrapped - Pitting Erosion of blades
5TH STG. WHL.	23060405 <del>6876655</del>	C17674	"	0.0	0.0	9-10-97	4037.7	4037.7 —	Scrapped - Pitting Erosion of blades
6TH STG. WHL.	23060406 <del>6876656</del>	C17556	"	0.0	0.0	9-10-97	4037.7	4037.7 —	Scrapped - Pitting Erosion of blades
IMPELLER	6876873	E34937	"	0.0	0.0	7/95	3491.2	3491.2 7681	Time
ADAPTER	6891625	LL34904	"	0.0	0.0	7/95	3491.2	3491.2 NA	CEB 1325
TIE BOLT	6871259	26874	"	0.0	0.0	7/95	3491.2	3491.2 NA	Conv.
1st Stg Whl	6890501	KR66416	3/85	1367.1	NEW 00	9-10-97	4037.7	2670.6 —	Scrapped - Pitting Erosion of blades



# Inspection - Maintenance - Overhaul Record Compressor Assembly



Rolls-Royce

Part IV  
Page No. \_\_\_\_\_

Compressor Serial Number CAC- \_\_\_\_\_ Engine Model 250- \_\_\_\_\_

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

# Inspection - Maintenance - Overhaul Record Compressor Assembly



**Rolls-Royce**

Part IV  
Page No. \_\_\_\_\_

Compressor Serial Number CAC- 33522 Engine Model 250- C20B

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
Dec28,2015	544.5	10,990.3	Performed case half inspection and replaced carbon seal and mating ring. Compressor not disassembled. Work done under Helipower W.O.#9069C.		
			<p>The aircraft and/or component identified herein was repaired and inspected in accordance with current Federal Aviation Administration Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Agency under W/O <u>9069C</u> Date <u>DEC 28, 2015</u>                      Helipower Service CRS VB3R913L                      15500 Telegraph Rd, #C-21 Santa Paula, CA 93060</p> <p>Signed <u><i>Atk</i></u></p>	<u><i>Atk</i></u>	HELIPOWER VB3R913L

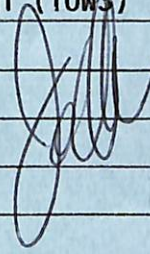
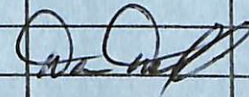


# INSPECTION — MAINTENANCE — OVERHAUL RECORD

## COMPRESSOR ASSEMBLY

Compressor Serial Number CAC- 33522

Engine Model 250-C 20B

Date	Compressor Time		Remarks	Signature	Organization
	Since OH	Total			
19 Dec 06	1079.0	8073.2	<p>Performed Case Halves Inspection and Repaired Compressor Per Current Manual (10W3) under H.P. W/O 7162C.</p> <p>The aircraft and/or component identified herein was repaired and inspected in accordance with current Federal Aviation Administration Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Agency under W/O <u>7162C</u> Date <u>12-19-06</u>                      Helipower Service <u>CRS VB3R913L</u>                      15500 Telegraph Rd, #C-21 Santa Paula, CA 93060</p> <p>Signed <u>[Signature]</u></p>		HELIPOWER VB3R913L
11-May-2010	2375.6	9369.8	<p>Replaced Case Halves and #1 Bearing Per Current Manual (10W3) Under W/O 8088C.</p> <p>The aircraft and/or component identified herein was repaired and inspected in accordance with current Federal Aviation Administration Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Agency under W/O <u>8088C</u> Date <u>5-11-2010</u>                      Helipower Service <u>CRS VB3R913L</u>                      15500 Telegraph Rd, #C-21 Santa Paula, CA 93060</p> <p>Signed <u>[Signature]</u></p>		HELIPOWER VB3R913L

## INSPECTION - MAINTENANCE - OVERHAUL RECORD

## COMPRESSOR ASSEMBLY

Compressor Serial Number CAC 33522Compressor Model 250 - C20B

DATE	COMPRESSOR		REMARKS	SIGNATURE	ORGANIZATION
	T/TIME TSO	T/CYCLES			
9-10-97	4037.7 752-0- 150546.5	8717	Repaired + CIW 1750 hr Case insp  per M+OIH Manuals.	<i>[Signature]</i>	AL #038832
			FINAL INSPECTION COMPLETE. APPROVED FOR RETURN TO SERVICE REPAIR STATION ALGR151C. INSPECTOR <u>Randall K. Mendel</u>		
3-27-00	5779.9 752-0- 750 2283.7	11557	CIW 1750 hr Case insp IAW M+OIH  Manuals.	<i>[Signature]</i>	AL #047296
			FINAL INSPECTION COMPLETE. APPROVED FOR RETURN TO SERVICE REPAIR STATION ALGR151C. INSPECTOR <u>Deborah V. Brown</u>		
05.19.04	6,994.2 0.0	13,560	Complied with compressor overhaul & test cell run. All work IAW Rolls-Royce 250-C20 Series Overhaul Manual 10W3. Ref. Southern Rotorcraft USA WO#E04/032.	<i>[Signature]</i>	



## INSPECTION - MAINTENANCE - OVERHAUL RECORD

## COMPRESSOR ASSEMBLY

Compressor Serial Number CAC 33522Compressor Model 250 - C20B

DATE	COMPRESSOR		REMARKS	SIGNATURE	ORGANIZATION
	T/TIME TSO	T/CYCLES			
7-13-95	3491.2 0.0	7681	Overhauled per manufacturer's specifications.		Airwork

The Powerplant and/or component identified herein was repaired and inspected in accordance with current Federal Aviation Administration Regulations, and was found Airworthy for return to service. Pertinent details of the repair are on file at this Agency under:

Job No. M18989 Date July 13, 1995

Signed 1368828 for

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


# INSPECTION — MAINTENANCE — OVERHAUL RECORD

## COMPRESSOR ASSEMBLY

FORM 2784 B (BACK)

CAC - 33522

250-C20B

Date	Compressor Time		Remarks	Signature	Organization
	Since OH	Total			
3-22-85	TSN	1367.1	Inspected and repaired per manufacturer's specifications.	<i>[Signature]</i>	Airwork
			Total Cycles: 3880		
			<p>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:</p> <p>Job No. <u>V-82850</u> Date <u>3/22/85</u></p> <p>Signed <u><i>Edward Brown</i></u> <u>1327629</u> for</p> <p style="text-align: center;">Airwork Corporation - (C.R.S. - 3507) Millville Municipal Airport Millville, New Jersey 08332</p>		
2-1-91	TSN	2570.5	Inspected case halves + found acceptable. Ref: W/O 3835	<i>[Signature]</i> NO 28658054974	

# INSPECTION — MAINTENANCE — OVERHAUL RECORD

## COMPRESSOR ASSEMBLY

FORM 2784 B

Compressor Serial Number CAC - 33522 Engine Model 250-C20B

Date	Compressor Time		Remarks	Signature	Organization
	Since OH	Total			
6/28/79	new	209.9	Inspected externally and functionally tested for time to continue, in accordance with manufacturer's specifications.	<i>[Signature]</i>	Airwork
			TOTAL CYCLES: 0717 COUNTER: 0717		

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. X-76821 Date June 28, 1979  
 Signed *[Signature]* 2014058 for

Airwork Service Division - (C.R.S - 3507)  
 Millville Municipal Airport  
 Millville, New Jersey 08332





# MODIFICATION RECORD

## COMPRESSOR ASSEMBLY

Part III 2  
Page No. \_\_\_\_\_

FORM 2783 B (BACK)

CAC33522

250-C20B

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
9-10-97	CSL-1113	Stainless steel plugs for scroll	<i>[Signature]</i>	AL <sup>W/O</sup> 38832
9-10-97	CSL-1150	Coated whls - Install	<i>[Signature]</i>	AL <sup>W/O</sup> 38832
9-10-97	DIL-199	Indexing of Spur Adapter Gear	<i>[Signature]</i>	AL <sup>W/O</sup> 38832
9-10-97	DIL-241	Impeller Inspection	<i>[Signature]</i>	AL <sup>W/O</sup> 38832
3-27-00	CEB-1115	Anti-ice Valve Seal Screw-Inspect	<i>[Signature]</i>	AL <sup>W/O</sup> 47296
3-27-00	CSL-1172	Case Half Erosion Limits	<i>[Signature]</i>	AL <sup>W/O</sup> 47296
3-27-00	DIL-199	Indexing of Spur Adapter Gear	<i>[Signature]</i>	AL <sup>W/O</sup> 47296
05-19-04	CEB-1325	Release of new coupling adapter.	<i>[Signature]</i>	
05-19-04	CEB-1369	Impeller - rework.	<i>[Signature]</i>	
05-19-04	CEB-A1374	Visual inspection - pressure probe elbow.	<i>[Signature]</i>	
05-19-04	CEB-1389	N/A-Replace certain s/n #1 brg housing.	<i>[Signature]</i>	
05-19-04	CEB-A1392	Compressor adapter coupling.	<i>[Signature]</i>	
05-19-04	Complied	with AD research through 2001-24-12 -	<i>[Signature]</i>	
-----	none due	at this time. -----	<i>[Signature]</i>	
19 Dec 2006	AD 2004-26-09	Adapter Coupling	<i>[Signature]</i>	 HELIPOWER VB3R913L

# MODIFICATION RECORD

## COMPRESSOR ASSEMBLY

Compressor Serial Number CAC - 33522Engine Model 250-C20B

Compliance Date	Bulletin or Directive No.	REV	Title	Signature	Organization
3-22-85	CEB1171		Rev. #2...No. 1 Bearing &	<i>Brown</i>	Airwork
"			Retaining Nut - Replace		"
14Aug85	CEB-1140		Compressor Bleed Valve Piston	<i>Jeanette Easterday</i>	Big Six
			and Retainer Plate-Repalce		
07Mar85	CEB-1156		Bleed Valve Assembly Gasket-	<i>Jeanette Easterday</i>	Big Six
			Replace		
7-13-95	CEB 1308		NA Per Case S/N	<i>John O'Neil</i>	Airwork
"	CEB 1317		Compressor Case, New Material Plastic, Add		"
"	CEB 1321	2	Compressor Rotor Assy - Modify	<i>John O'Neil</i>	"
"	CEB 1325	1	Extended Impeller Coupling		"
"	CEB-A-1328		NA Per S.A.G. P/N		"
9-10-97	CEB-1115		Antivice Valve Seal Screw - Inspect	<i>Jill Spamb</i>	AL #0 38832
9-10-97	CEB-1139		Oil Pressure Reducer - Replace	<i>Jill Spamb</i>	AL #0 38832
9-10-97	CEB-1311		Antivice Valve - Modify	<i>Jill Spamb</i>	AL #0 38832





CAC - 33522

## TRANSFER RECORD

250-C20B

SHIPPED			Compressor Time		RECEIVED	
Date	From	To	Since OH	Total	Date	By
			5-16-77	DDA-GMC		
07 Sep 77	MBB GmbH	Boei ng Vertol	new	07:00		
Jun/79	Big Six	Airwork	new	1209.9	6/25/79	Airwork
6/28/79	Airwork	Big Six Heli.	new	209.9		
Mar/85	Big Six	Airwork	new	1367.1	3-12-85	Airwork
3-22-85	Airwork	Big Six Heli.	TSN	1367.1	Mar 85	Big Six
06 JUL 95	VIRGINIA ENERGY	AIRWORK	TSN	3491.2	7-8-95	Airwork
7-13-95	Airwork	Virginia Energy	0.0	3491.2		
20 Dec 06	Helipower	Sinton Heli	1079.0	8073.2		
12-May-10	Helipower	Sinton Heli	2375.6	9369.8	July 23, 2013	Helipower
Nov 19, 13	Helipower	Sinton Heli.	0.0	10445.8		

