Part I	V	
Page	No.	

Gearbox Serial Number	CAG31719F	Engine Model 250-C

	Gearbox Time				
Date	Since OH	Total	Remarks	Signature	Organization
_28DEC15	3689.0	13345.2	Replaced oil pump scavenge body due gearbox filling with oil per current under Helipower WO# 9069G		
			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 Date CRS VB3R9131 Helipower Service CRS VB3R9131 15500 Telegraph Rd #C-21 Santa Paula CA 93060  Signed	gt g	HELIPOWER VB3R913L
V Facilities		*	A CONTRACTOR OF THE PARTY OF TH		
	11/2/2011				

Part	I۷	
Page	No.	

Gearbox Serial Number CAG-31719F	Engine Model 250-C 20B
----------------------------------	------------------------

Gearbox Time		Time			
Date	Since OH	Total	Remarks	Signature	Organization
15Apr2015	3434.4	13090.6	Inspected and repaired for oil leak		
			at Pinion Cage and performed 3500 hr		
			MPI Inspection of Gears per current		
			Manual under Helipower Service		
			W.O. # 9002G		
			ne aircraft and/or component identified herein was repaired nd inspected in accordance with current Federal Aviation diministration Regulations and was found Airworthy for return service. Pertinent details of the repair are on file at this gency under W/O 9002G Date (24/15/15) CRS VBRISH/15		
•			s500 Telegraph Rd, #G-21 Santa Paula, CA 93060	at .	HELIPOWER VB3R913L
				0	
		,			
		•			



#### Allison

art IV	-	
age No.	_/_	

#### INSPECTION - MAINTENANCE - OVERHAUL RECORD

CAG31719F

GEARBOX ASSEMBLY

	Gearbox Time			11 11	
Date	Since OH	Total	Remarks	Signature	Organization
17 Nov 06	771.9	10,428.1	Repaired Oil Leaks At Split Line Per		
			Current Manual (10W3)under W/O 71620	· - A	
20 m 17	V.		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 71626 Date 11-17-06 Helipower Service CRS VB3R913L		
			15500 Telegraph Rd - C-21 Santa Paula, CA 93060 Signed	1 51	HELIPOWER VB3R913I
7/30/11	1074,3	11,802	GB Front Cover Replaced w/	Teka In	
			GB Front Cover Replace & w/ Serviceable Part P/N23008021	79 653 Reg	Sinton Heli
		Parkers at	5/N HL32073		
Talle III		1 10 10 10 10 10 10 10 10 10 10 10 10 10		100	
The same of the sa				and the	#
		71	101		
		* At			de la
		. (B)			



#### Allison

Part IV Page No. \_\_

# INSPECTION — MAINTENANCE — OVERHAUL RECORD GEARBOX ASSEMBLY

Gearbox Serial Number CAG31719F Engine Model 250-C20B					C20B	
		Gearbox	Time			
	Date	Since OH	Total	Remarks	Signature	Organization
	2/13/98	3115.8	8033.6	SPIT Gearbox Cover Assy + Sent		ST. Louis HelicopTen
				TO DALLAS Airmotive for Compressor		DFMR170D
				STUD REPLACEMENT, (SEE ATTACHED		
				8130-3 TAG For DALLAS Airmotive W/O +		
				signoff) After return of Gearbox		
				INSTAlled INSPECTED, Serviceable		
				oil Rump, ALL NEW orings AND		
				Reassembled gearbox. Refer To		
				STLH WO # 917 For DETAILS	Robert New J	STLH DEMRITOD
	02-28-05	0.0	9656.2	Gearbox overhauled I.A.W. RR		
				250 O/H manual Edition 4 Rev.1	100	SR 1
				Details on S.R. W/O E04/030	Const.	USA
		The state of the s				



#### Allison

Part IV Page No. \_

#### DECODE

1	INSPECTION — MAINTENANCE — OVERHAUL	RECURL
	GEARBOX ASSEMBLY	

	Gearbox S	Serial Num	ber	Engine M	odel <u>250-</u> 0	С20В
		Gearbox	Time			
	Date	Since OH	Total	Remarks	Signature	Organization
	8-4-90	883,7	5801.5	Repaired Compresson Mount		
				Insert I/A/W OPS+ Maint	*	
				Manual Refer to Wat	1110	M.A.
				149090490 for Complete ditails	Jalellan	CRS HONRGIOE
				V	()	
	2-11-94	1820.7	6738,5	Remove Front Housing S/N HL25644	10011	STLOW'S Helicapter
				Due TO Loose Studs And installed	Any. Onen	STLOUIS Helicapter Ainways, INC.
				Serviceable Housing S/N HL26315.	VENESS	
			*	ALL WORK DONE ILAW AllisON		
-				MANUALS.		a trace of
	e republication					

Part I	٧	
Page	No.	

#### INSPECTION — MAINTENANCE — OVERHAUL RECORD

FORM 2784C (BACK) CAG31719F

GEARBOX ASSEMBLY

	Gearbox	x Time				
Date	Since OH Total		Remarks	Signature	/ Organization	
<mark>12-20-88</mark>	129.5	5047.3	Inspected, repaired and	WA	Airwork	
16/4			tested per manufacturer's	Ma		
		· ·	specifications.	V V V		
			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-64278  Date 1/18/89  Signed Sand Date 1/18/89  Signed Sand Corporation - (C.R.S 3507)  Millville Municipal Airport  Millville, New Jersey 08332			

art	IV	
age	No.	

FORM 2784 C

Gearbox Tim nce OH 49	Total 917:48	Remarks  PERFORMED OVERHAUL AND UPGRADE FROM  C20 TO C20B  MAINTENANCE RELEASE  "The aircraft, airframe, aircraft engine propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation	Signature	Organization PHI 881192-99
		PERFORMED OVERHAUL AND UPGRADE FROM C20 TO C20B  MAINTENANCE RELEASE  "The aircraft, airframe, aircraft engine propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation		
0- 49	917:48	C20 TO C20B  MAINTENANCE RELEASE  "The aircraft, airframe, aircraft engine propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation	TIO	PHI 881192-99
		MAINTENANCE RELEASE  "The aircraft, airframe, aircraft engine propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation	Whompson	PHI 881192-99
		"The aircraft, airframe, aircraft engine propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation	V	
		appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation		
		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		
		action Ca a ne co		
		(Authorized Signature For Station)		
		Certificate No. 3695		
			Record Card No.  881192-99 Date 4-25-88 Signed (Authorized Signature For Station)  PETROLEUM HELICOPTERS, INC.  Municipal Airport, Lafayette, Louisiana	Record Card No.  88193-99 Date 4-95-88 Signed (Authorized Signature For Station) PETROLEUM HELICOPTERS, INC. Municipal Airport, Lafayette, Louisiana

Part IV	
Page No.	

FORM 2784C (BACK)

Gearbox Time Date Since OH Total			Remarks	Signature	Organization
7/82	0.0	2540:35	GEARBOX OVERHAULED PER	Thomas.	KEYSTONE
1/02	0.0	2540:55	MANUFACTURERS SPECIFICATIONS	Pfeiffer	CRS 1211
		on our accord Aviatio Pertine  W.O. N  Signed	rtifies that only the work requested by the customer and described work order listed below, was accomplished and inspected in ance with manufacturer's specifications and with current Federal n Administration regulations, and is approved for return to service. In details of this repair are on file at this agency under:  Date 8/2/82  Thomas Pale for a system of the customer and described in accompany to the customer and described in an accompany to the customer and described in accompany to the		
6 Aug 82	00.00	2540:35	Gearbox test run on engine, S/N	At Dairo	Aviall
			821714 - W/O FR-6210		

art	IV	
age	No.	

FORM 2784 C

	Gearbox S	erial Num	ber	CAG 31719F Engine Mo	odel	250С20 В
		Gearbox	Time			
	Date	Since OH	Total	Remarks	Signature	Organization
	5/31/79	new	994.5	Reoperated gearbox assy. to incorpor	rate of	Airwork
				CEB-1060, and CEB-1082tested	1/1/10	
				for time to continue.	40	
				//	//	
D				This certifies that only the work requested by to customer and described on our work order listed belowas accomplished and inspected in accordance with manufacturer's specifications and with current Feder Aviation Administration regulations, and is approved freturn to service. Pertinent details of this repair are on fat this agency under:  Job No. X-75578  Date May 31, 1979  Signed Lalward Cham 1327629	w, th al or ile	
7	3			Airwork Service Division - (C.R.S - 3507)  Millville Municipal Airport	Tor	
	-			Miliville, New Jersey 08332		

FORM 2783 C

# MODIFICATION RECORD GEARBOX ASSEMBLY

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

Gearbox Serial Number CAG31719F

Engine Model\_

	Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
02	-28-05	CEB-A-1340	Pinion gear - N/A by P/N	Day.	SR 1 SR
02	-28-05	CEB-A-1351	Oil tube replace - FCW.	CAX.	USA 1
02	-28-05	CEB-1372	Torquemeter gear retain ring in	· Parki	III SR
02	-28-05	CE3-1388	New lip seals (excl. PTO seals)	Took in	SP USA
02	-28-05	CEB-1274	#3 & #4 Roller bearing FCW.	455	
				COM,	USA
17	Nov 2006	CEB 1395	New Breather Seal	Soll	HELIPOWER VB3R913L
15	Apr 2015	CEB 1165 R7	Removal of Spare Drive Cage	21/22	HELIPOWER VB3R9131
				0	100
_					
0					
					our contract
-					

#### MODIFICATION RECORD

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

FORM 2783 C (BACK) CAG31719F

GEARBOX ASSEMBLY

Bulletin or Directive No.	Title	Signature	Organization
CEB 1053R-1	C20-C20B CONVERSION	Whompson	PHI 881192-99
CEB 1087	OIL PUMP COVER-REWORK	Whomoson	PHI 881192-99
CEB1098R-2	OIL FILTER HSG. AND PUMP BODY REWORK	Withompson	PHI 881192-99
CEB1105R-2	T/M SHAFT BORE BUSHING-ADD	Withompson	PHI 881192-99
CEB1168R-2	PINION BRG CAGE REPLACE	W honosin	PHI 881192-99
CEB1199R-1	OIL PUMP ATTACH BOLTS	10 homoson	PHI 881192-99
CEB1201R-1	BRG. INSP.	Whompson	PHI 881192-99
CEB 1218	ADD LOCTITE TO GEARSHAFTS	Whompson	PHI 881192-99
CEB1228	NEW ACCESSORY DRIVE BEARINGS	Whompson	PHI 881192-99
CEBA1226R1	THRU BOLTS RETENTION OF IDLER GEARS	. 6 11	PHI 881192-99
DIL177R-4	GEAR INSPECTION	Late !	PHI 881192-99
CEB1073	OIL TUBE REPLACE		PHI 881192-99
AD2001-20-51	HOLOR TIM GEAR-NATOTIME OF PLN	Pren	RINERS
AD 2001-24-12	HELIGHT /M GENT - N/A TO T.T. OF DIN	Bun	STENERS
	Directive No.  CEB 1053R-1  CEB 1087  CEB1098R-2  CEB1105R-2  CEB1168R-2  CEB1199R-1  CEB1201R-1  CEB 1218  CEB1228  CEB1228  CEBA1226R1  DIL177R-4  CEB1073  AD2201-20-51	Directive No.  CEB 1053R-1  C20-C20B CONVERSION  CEB 1087  OIL PUMP COVER-REWORK  CEB1098R-2  OIL FILTER HSG. AND PUMP BODY REWORK  CEB1105R-2  T/M SHAFT BORE BUSHING-ADD  CEB1168R-2  PINION BRG CAGE REPLACE  CEB1199R-1  OIL PUMP ATTACH BOLTS  CEB1201R-1  BRG. INSP.  CEB 1218  ADD LOCTITE TO GEARSHAFTS  CEB1228  NEW ACCESSORY DRIVE BEARINGS  CEBA1226R1  THRU BOLT RETENTION OF IDLER GEARS  DIL177R-4  GEAR INSPECTION  CEB1073  OIL TUBE REPLACE	Directive No.  Title  Signature  CEB 1053R-1  C20-C20B CONVERSION  CEB 1087  OIL PUMP COVER-REWORK  CEB1098R-2  OIL FILTER HSG. AND PUMP BODY REWORK  CEB105R-2  T/M SHAFT BORE BUSHING-ADD  CEB1168R-2  PINION BRG CAGE REPLACE  CEB1199R-1  OIL PUMP ATTACH BOLTS  CEB1201R-1  BRG. INSP.  CEB 1218  ADD LOCTITE TO GEARSHAFTS  CEB1228  NEW ACCESSORY DRIVE BEARINGS  CEBA1226R1  THRU BOLT RETENTION OF IDLER GEARS  CEB1073  OIL TUBE REPLACE  ADZ201-20-51  DIL177R-4  CEB1073  OIL TUBE REPLACE  COMMON DELLAR  COMMON DELLAR

FORM 2783 C

4-22-88

4-22-88

CEB 1166R-2

CEB 1177R-1

# MODIFICATION RECORD GEARBOX ASSEMBLY

Part III 1
Page No.

PHI 881192-99

PHI 881192-99

Cl homeson

Gea	rbox Seria	al Number	CAG 31719 F Engine M	odel250c20 B			
		Balan Lander Comment		1 1 44 1 1			
Co	mpliance Date	Bulletin or Directive No.	Title	Signature	Organization		
5/3	31/79	CEB-1060	G/box #2 1/2 bearing - rep'1	Mark	Airwork		
	п	CEB-1082	Wet spline starter-gen. gearshaft	1	11		
7/	82	CEB 1118	F.C. & O.P. GEARSHAFT REWORK	11/24	KEYSTONE		
7/	82	CEB 1132	GEARBOX CHECKVALVE- REPLACE	Mallo	n.		
7/	82	CEB 1141	POWER TRAIN DRIVE GEAR BEARING JOURNAL	LS 10°	u		
7/	82	CEB 1150	PTO GEARSHAFT ASSEMBLY- REPLACE	de.	n in		
7/	82	CEB 1157	PTO GEARSHAFT GROOVES- ADD	V'zi.	n .		
7/	82	CEB 1177	INSPECT OIL DELIVERY TUBE	7	tt		
4-22	-88	CEB 1118R-1	PCW) FC,OP SPUR GEARSHAFT-REWORK	VItrompson	PHI 881192-99		
4-22	-88	CEB 1122R3	PCW) PRESSURE PORT HELICOIL INSERT-AD	OUTHORSON	PHI 881192-99		
4-22	-88	CEB 1141R-2	PCW) PINION DRIVE GEAR BRG JOURNAL MOD	IFY Chemater	PHI 881192-99		
4-22	-88	CEB 1150R-7		1011	PHI 881192-99		

PCW) OIL DELIVERY TUBE INSPECT

PCW) SCAVENGE PORT HELICOIL INSERTS-ADD Whomoson

FORM 2782C (BACK)

#### TRANSFER RECORD

Part II
Page No. \_\_\_\_\_

	SHIPPED				RECEIVED
From	То	Since OH	Total	Date	Ву
Allison GMC	BOELKOM	New	0.0	02.04.74	MBB GmbH
MBB GmbH	Boeing Vertol	neu	07.40		194
				4/30/79	Airwork
Airwork	Dow Jones	new	994.5		
DOW JONES	KEYSTONE	NEW	2540:35	7/82	KEYSTONE
KEYSTONE	AVIALL	0.0	2540:35	5 Aug 82	Aviall
Aviall	Keystone Helic.	0,00	2540:35		
				11-29-88	Airwork
Airwork	MBB Helicopter	129.5	5047.3		C. S. C. S. C. L.
Helipower	Sinton	771.9	10,428.1	23Mar2015	Helipower
Helipower	Sinton Heli	3434.4	13090.6		
		T. C.			
					The state of the s
	Allison GMC  MBB GmbH  Airwork  DOW JONES  KEYSTONE  Aviall  Airwork  Helipower	From To  Allison GMC BOFLKOW  MBB GmbH Boeing Vertol  Airwork Dow Jones  DOW JONES KEYSTONE  KEYSTONE AVIALL  Aviall Keystone Helic.  Airwork MBB Helicopter  Helipower Sinton	From To Since OH  Allison GMC BOFLKOW New  MBB GmbH Boeing Vertol neu  Airwork Dow Jones new  DOW JONES KEYSTONE NEW  KEYSTONE AVIALL 0.0  Aviall Keystone Helic. 00.0  Airwork MBB Helicopter 129.5  Helipower Sinton 771.9  Helipower Sinton Heli 3434.4	To   Since OH   Total	To   Since OH   Total   Date

FORM 2782 C

# SERVICE RECORD GEARBOX ASSEMBLY

Part I Page No. 1

Gearbox Serial Number

CAG-31719 F

Engine Model

250-XXXXC20 B

and the same of th												
			INSTALLED						REMOVED			
	7				Gearbox	Time		Gearbox	Time			
- 1		Date	Owner	A/C or Eng. S/N	Since OH	Total	Date	Since OH	Total	Reason		
-		2-14-74		821714	New	0.0	4/79	new	994.5	CEB-1060 & 1143		
		5/31/79	Dow Jones	821714	new	994.5	7/82	NEW	2540:35			
		7/82	DOW JONES	821714	0.0	2540:35	4-4-88	2377:13	4917:48	OVERHAUL & UPGRADE TO C20B		
		4-25-88		821714F	-0-	4917:40	11/88	129.5	5047.3			
	7	12-20-88		821714F	129.5	5047.3	9-4-90	883,7	5801,5	INSERT LEAKING		
		9-4-90		821714F	883.7	5801.5	12/5/97	3115.8	8033.6	Loose BOLT		
4	D	5-31-98	St. Louis Heliconer	The second secon	3115.8	8033.6	3-3-03	4738.4	96562=	upGnode		
		4-605	SINTON HELL	830723	0.0	9656.2	18 Oct 06	771.9	10,428.1	Oil Leaks		
		12-19-06	Sinton Heli	830723	771.9	10,428.1	23Mar15	3434.4	13090.6	Oil Leaks		
400		15Apr15	Sinton Heli	830723	3434,4	13090.6	Nov 25, 2015	3689.0	13345.2	Inadequate Scaveng		
		28DEC15	Sinton Heli	830723	3689.0	13345.2			1 1	7		
						7.				w at		
										256		