



ESSENTIALTURBINES.COM

INSPECTION-MAINTENANCE-OVERHAUL-TRANSFER

AD/CEB Compliance Record Assembly

Part II

Page No. 1

Nomenclature FUEL NOZZLE

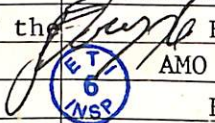
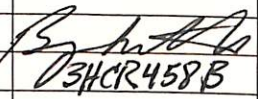
Part Number	M250-10603
-------------	------------

Serial Number AG64326

Engine Model	M250-C20 Series
--------------	-----------------

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

Note 2: This card must accompany accessory at removal

Date	Accy. Time		Remarks	Signature And Certificate No.
	Since O/H	Total		
29/Jan/2020	0.0	N/K	Unit was overhauled & functionally tested IAW the RR250 Series 10W3 OHM, 4th Ed., 15th Rev. on E.T.I. W034102.	 E.T.I. AMO 37-94
01 APR 2022	385.2	N/K	The unit was repaired IAW RR250-C20 10W3 O/H manual, 4th Ed., 16th Rev. A 300 hr inspection was completed IAW RR250-C20 10W2 O.H.M., 6th Ed., 25th Rev, on W035669	 E.T.I. AMO 37-94
1-7-2025	-0-	N/K	Eng + O/H, tested OK IAW CE-1430 IAW R/R O/H man 10W3 4th ed. rev. 16, 6-1-20. HASSWID W7966.	 HASSWID W7966



FN 7470

ESSENTIALTURBINES.COM

SERVICE ACCESSORY RECORD

Part II

Page No. 1

Nomenclature FUEL NOZZLE

Serial Number AG64326

Part Number	M250-10603
-------------	------------

Engine Model M250-C20 Series

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

Note 2: This card must accompany accessory at removal.

[illegible]



ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V
Page No.

8

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This item	
Turbine		CAT30117	9/23/13	9128.1	1542.8	11/12/13	9137.7	1852.4	Rental Return
Compressor	6890550	33522	Nov 14 2013	9137.7	0.0				
Turbine	23069745	35088	Nov 14 2013	9137.7	0.0	23Mar15	9427.6	289.9	N2 Lockup
FCU	23070606	332394	1/20/14	9144.9	290.1	2/24/14	9149.7	294.9	unable to adjust start
FCU	23070606	BR58698	1/24/14	9149.7	1906.0	3/17/2014	9174.4	1930.7	loaner
FCU	23070606	BR56449	3/17/14	9174.4	288.8	25NOV15	9682.2	3689.0	inadequate scav.
Gearbox	6894171	31719	15Apr15	9427.6	3434.4				
Turbine	23069745	35088	15Apr15	9427.6	289.9	3/17/21	10813.8	1076.1	1750 inspection
Gearbox	6894171	31719	28DEC15	9628.2	3689.0				
BLEED VALVE	23053176	FF14178	7/20/17	10330.0	0.0	3-20-25	11,506.2	UNK	no hard core
FUEL PUMP	10899253	T104258	9/14/20	10802.2	0.0				
PT GOV.	2524769-15	13030	9/14/20	10802.2	0.0				
Fuel Nozzle	M250-10603	AG-64326	3-20-25	11506.2					
Bleed Valve	23053176	FF12480	3-20-25	11506.2					



ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V
Page No. 7

Engine Serial Number CAE-830723

Engine Model 250-C208

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This item	
Fuel Pump	6899253	T-101623	7/23/09	6899.9	0.0	9/14/20	10802.2	3922.3	OVERHAUL
Turbine	6898735	CAT 33828	6/30/07	7290.6	3265.9	7/10/08	7291.7	3267.1	Rental
Bleed Valve	23053176	FF 23322	6/30/07	7290.6	0.0	7/10/12	8788.3	1497.7	TBO
Turbine	6898735	CAT 37131	7/10/08	7291.7	1708.2	9/9/08	7366.4	1792.9	CONVENIENCE
Turbine	6898735	CAT 35188	9/10/08	7366.4	1602.0	7/23/13	9004.0	3239.6	Wheels time X
Fuel Nozzle	23077068	1235	8/14/09	7679.9	0.0	7-23-13	9004.0	1324.1	Overhaul
Compressor Case	23057142	19371	05/26/11	8298.4	0.0				
Bleed Valve	23053176	FF-21280	7/10/12	8788.3	0.0	7/26/17	10330	1541.7	OVERHAUL
FCU	23070606	331394	5/15/13	8854.8	0.0	1/10/2014	9144.9	290.1	unable to adjust
PT Gov	23065121	17735	5/15/13	8854.8	0.0	9/14/20	10802.2	1947.4	OVERHAUL
Compressor	6890550	CAC 34521	7/23/13	9004.0	2919.0	Nov 14, 2013	9137.7	3052.7	Rmv Rental
Fuel Nozzle	23077068	1235	7/23/13	9004.0	0.0	3-20-25	11506.2	444	missing and
Turbine	23038241	CAT 32478	7/23/13	9004.0	1570.0	9/18/13	9128.1	1696.6	overhaul

ASSEMBLY RECORD ENGINE ASSEMBLY

Allison

Part V
Page No. 6

Engine Serial Number CAE- 830223

Engine Model 250-G20B

Nomenclature	Part Number	Serial Number	INSTALLED		REMOVED		Reason
			Date	TT TSO	Date	TT TSO	
Fuel Nozzle	23077068	AG77296	4/6/05	UNK 486.0	3/4/2009	UNK 21119.4	TBO
P.T. Governor	23006259	HAAD3748	4/10/05	UNK 0.0	3/11/05	UNK 102.7	Fuel leak
PT Governor	23006259	2AAD1180	3/11/05	UNK 920.6	5/15/2013	UNK 3915.9	TBO
BLEED VALVE	23053176	FF49447	4/6/05	UNK 0.0	4/30/08	UNK 1395.8	TX
Fuel Valve	6898735	CAT38444	8/30/05	UNK 1606.2 New	9/16/05	UNK 1622.4 New	Rental
ECU	23061824	3AAC1975	8/30/05	UNK 732.2	5/15/2013	UNK 3507.3	Convenience
Turbine	6898735	CAT37131	9/16/05	UNK 6370.4 527.0	6/30/08	UNK 7581.3 1730.9	1480 hr Insp.
Comp Case Half	23057142	SET 15789	9/16/05	UNK 6045.9 0.0	5/11/2010	UNK 7928.0 1832.1	Plastic Cracking
Compressor	6890550	CAC-33522	19 Dec 06	UNK 8073.2 1079	July 23 2013	UNK 10445.8 3451.6	O/H
Gearbox	6894171	CAG-31719F	19 Dec 06	UNK 10,428.1 771.9	13Mar2015	UNK 13090.6 3434.4	Oil Leak

ASSEMBLY RECORD ENGINE ASSEMBLY

F-2785A (1/94)

Part V

Page No. 5

Engine Serial Number CAE-830723

Engine Model 250-C20B

Nomenclature	Part Number	Serial Number	INSTALLED		REMOVED		Reason
			Date	TT TSO	Date	TT TSO	
Compressor	6890550	TC = 13,560 CAC-33522	05.21.04	6994.2 Ø	18 OCT 06	8073.2 1079	Inspection
Turbine	6898735	TC = 10,828 CAT-37131	05.21.04	5843.4 Ø	8/29/05	6370.4	Shut Down Over Temp
Gearbox	6894171	CAG-31079F	05.21.04	17,504.0 Ø	12.06.04	17,667.8 163.8	Oil leak
Bleed Valve	23053176	FF16689	06-3-04	UNK 1154.3	4-06-05	UNK	TIME - X
Fuel Pump	6899253	T106208	06-3-04	UNK 2720.0	7/23/07	UNK 4044.2	Time - X
FCU	23034702	5AAC38M	06-3-04	UNK 287.0	8/30/05	UNK 814.1	Surging
PT Gov.	23006259	3AAD2066	06-3-04	UNK 2540.7	1/6/2005	UNK 2704.5	External Leak
Fuel Nozzle	6890917	AG77276	06-3-04	UNK 322.1	12/20/04	UNK 486.0	To C/W CBB-A139AB
Gearbox	6894171	CAG-31079F	12.29.04	17,667.8 163.8	4/4/05	17,810.8 306.8	Oil Leaks
GEARBOX	6894171	CAG-31719F	4-6-05	9656.2 0.0	18 OCT 06	10,428.1 771.9	Split Line Leak

ASSEMBLY RECORD

ENGINE ASSEMBLY

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Engine Total Time	TSO This Item	Date	Engine Total Time	TSO This Item	
TURBINE	6898735	38221F	19-11-85	3644:20	868:30	26-9-86	4170:05	1394:15	TIE BOLT
TURBINE	6886443	21334P	28-9-86	4170:05	1276:15	4-12-86	4218:50	1325:00	END OF LEAN
TURBINE	6898735	35360	4-12-86	4218:50	522:20	19-02-87	4321:30	625:00	TO SERVICE
COMPRESSOR	6890550	32575F	4-12-86	4218:50	2537:30	22-2-88	5208:00	3626:40	
GOVERNOR	23004832	16751	10-12-86	4219:00	76:00	21-3-87	4331:40	188:40	SUNGE
TURBINE	6886443	36036	26-02-87	4321:30	1544:30	11-6-87	4347:50	1772:30	TX
FCU	23007857	303567	17-3-87	4324:50	269:00	24-8-88	5552:40	1496:50	FITTED TO CAE-270153
FUEL NOZZLE	6890917	AG 52516	21-3-87	4331:40	1548:15	22-9-87	4817:40	2034:15	TX
GOVERNOR	252476P/11K	25410	21-3-87	4331:40	00:00	24-8-88	5552:40	1221:00	FITTED TO CAE-270153
TURBINE	6899735	38221P	11-6-87	4547:50	00:00	24-8-88	5552:40	1004:50	F.O.D.
FUEL NOZZLE	6890917	AG 33433	22-09-87	4817:40	495:25	24-8-88	5552:40	735:00	FITTED TO CAE-270153
COMPRESSOR	6890550	3A662	22-02-88	5208:00	560:05	24-8-88	5552:00	904:45	F.O.D.
BLEED VALVE	23007879	FF 32185	24-3-88	5214:55	00:00	23-8-88	5550:25	441:55	FOR REPAIR
GEARBOX	6894171	37086	27-6-88	5411:30	3140:30	24-8-88	5552:40	3281:40	F.O.D.
BLEED VALVE	23007879	FF 12523	23-8-88	5550:25	00:00	24-8-88	5552:40	2:15	FITTED TO CAE-270153

ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V
Page No. 3

FORM 2785 A

Engine Serial Number CAE - 830723

Engine 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	
BLEED VALVE	6899115	FF16624	22-8-84	2924:10	771:55	22-12-85	3696:05		HUNTING
COMPRESSOR	6890550	32729 F	20-9-84	2967:20	177:55	4-12-86	4218:50	1429:25	DAMAGE
GOVERNOR	2524769	25439	3-12-84	3102:40	00:00	10-5-85	3410:35		
GOVERNOR	6898890	25410	10-5-85	3410:35	1742:30	31-7-86	4077:40	2409:35	O/H
FCU	6898895	321477	22-12-85	3696:05	277:15	4-1-86	3725:40		LOAN ITEM
FCU	6895664	324934	4-1-86	3725:40	00:00	15-5-86	3939:45	214:05	HANG UP-30-40°
BLEED VALVE	6899115	FF20842	22-12-85	3696:05	492:00	24-3-88	5214:55	1518:50	CC 18208
FCU	23001794	331964	15-5-86	3939:45	1251:00	16-7-86	4053:10	1384:25	LOAN ITEM
FCU	6895664	324934	16-7-86	4053:10	214:05	29-8-86	4130:40	291:35	HANG START
GOVERNOR	23004832	16751	31-7-86	4077:40	00:00	12-9-86	4151:40	76:00	FLUCTUATIONS
PUMP	6899253	T10378A	2-7-86	4031:20	00:00	24-8-88	5552:40	1521:20	FITTED TO CAE-270153
FCU	2524664/241	318883	29-8-86	4130:40	00:00	17-3-87	4324:50	294:10	FLUCTUATING
GOVERNOR	23005492	21527	12-9-86	4151:40	00:00	10-12-86	4219:00	67:20	END OF LOAN

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	
F.C.U.	6895663	319169	12-2-80	100:10	611:00	27-1-81	484:15	995:05	Came f eng cut.
TURBINE	6886443	CAT.33221	21/1/80	331:00	12:15	1-2-82	1444:00	1120:45	CEB 1174
F.C.U.	6895664	323561	27-1-81	484:15	0:00	11-10-82	1676:35	1192:20	Slow 2nd Burn
Nonopel	6890917	AG 33433	27-1-81	484:15	0:0	21-6-84	2831:25	2347:10	TIME EX.
Turbine	68937F	32937	1-2-82	1444:00	0:0	10-3-84	2675:45	1231:45	OPS. REQD.
F.C.U.	6898895	311689	11-10-82	1676:35	0:0	22-12-85	3696:05	2019:30	U/S.
GOVERNOR	6898855	18300	21-10-81	1209:20	0:00	3-12-84	3102:40	—	—
BLEED VALVE	6899115	FF13022	28-9-82	1656:35	0:00	21-3-84	2687:25	1029:40	ENGINE REMOVED
TURBINE	6898734	38537P	13-3-84	2675:45	103:55	30-3-84	2718:35	146:45	END OF RENTAL PERIOD
TURBINE	6898735	22617	30-3-84	2718:35	00-00	24-4-84	2775:50	57:15	NI TURBINE SEIZED
TURBINE	6898735	38221F	24-4-84	2775:50	1829:55	24-9-85	868:30	4940:50	METAL CONT
BLEED VALVE	6899115	FF16624	21-3-84	2687:25	00:00	14-8-84	2924:10	236:45	TO SERVICE A2-ALL
PUMP	6895653	PE4733	31-5-84	2802:35	1087:00	2-7-86	4031:20	1228:45	DUE O/HAVE.
FUEL NOZZLE	6890917	AG37410	21-6-84	2831:25	00:00	21-3-87	4331:40	1499:45	SCURGE
COMPRESSOR	6890550	38774	28-8-84	2924:10	553:15	20-9-84	2967:20	596:25	END OF LOAN.

ASSEMBLY RECORD

ENGINE ASSEMBLY

Part V
Page No. 1

FORM 2785 A

Engine Serial Number CAE - 830723

Engine 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	
GEARBOX	6886442	33741	8-31-77	0.0	NEW	27-06-83	5411:30	5411:00	MAKING METAL
COMPRESSOR	6890550	33748	"	"	"	19-8-84	2924:10	2924:10	TO SERVICE A2-ACL
TURBINE	6886443	33730	"	"	"	29-8-78	00:00	00:00	FITTED TO ENG 830216
CONTROL	6895664	322249	"	"	"	21/2/78	00:00	00:00	FITTED TO ENG 823193
GOVERNOR	6895579	18853	"	"	"	18-7-78	00:00	00:00	FITTED TO 25-HFN
PUMP	6895172	PE6049	"	"	"	6-5-84	2802:35	2802:35	Time Ex.
FUEL NOZZLE	6890917	AG37410	"	"	"	26-6-80 WAKAWAKA	00:00	0:00	FITTED TO 25-HHC to Stock
BLEED VALVE	6896348	FF21044	"	"	"	28-9-82	1656:35	1656:35	Time Ex.
TURBINE	6886443	CAT 33221	9-7-80	- " -	929:30	17-7-80	12:45	942:15	High oil consumption
GOVERNOR	6898855	17368	- " -	- " -	0:0	21-10-81	1209:20	2248:05	
F.C.U	6895664	322249	- " -	- " -	TSN 98:00	12-8-80	100:10	198:10	
Fuel Noggel	687459	AG22044	- " -	- " -		27-1-81	484:15	486:35	Throttle broken off
Turbine	6898734	CAT 32066	17-7-80	12:45	TSN 74:25	27/11/80	331:00	1058:40 1061:30	FITTED TO H.G.M.

Part IV
Page No. _____

[illegible]

Inspection - Maintenance - Overhaul Record

Engine Assembly



Rolls-Royce

Part IV
Page No. _____

Engine Serial Number CAE- 830723 Engine Model 250-C20B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
8-03-14	Hobbs:	2452.5	REMOVED ENGINE MODULES, ACCESSORIES,		
	ENG. T.:	9359.3	LINES, AND TUBES. OPENED ACCESSORY		
	ACTT:	15263.1	GEARBOX AND REPLACED REAR TORQUE		
			METER START "O" RING P/NAS3209-119.		
			MATED ACCESSORY GEARBOX CASES, REPLACED		
			START GEN PAD SEAL, N2 TACH GEN PAD SEAL,		
			P.T. GEN PAD SEAL, FRONT PTO SEAL AND		
			REAR PTO SEAL. INSTALLED ALL NEW "O"		
			RINGS FOR MATING GEARBOX. INSTALLED NEW		
			TURBINE TO ACC. GEARBOX MATING "O" RING.		
			ASSEMBLED ENG. MODULES INSTALLED ALL		
			ACCESSORIES, LINES & TUBES. SERVICED WITH MJII,		
			PURGED AIR FROM ENGINE, RUN UP STATIS FACTORY.		
			ALL WORK IAW MANUFACTURER SPECS & FAA REGS.		
			APPLY AUTH INSP. FAA ARS# DRRRT31B		

GT-2784A (12/98)



Inspection - Maintenance - Overhaul Record

Engine Assembly



Rolls-Royce

Part IV

Page No. _____

Engine Serial Number CAE-

Engine Model 250-

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

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV

Page No. _____

Engine Serial Number CAE-

Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
05/26/11	N59553		Hobbs 1391.6		
Bell 206	S/N 1451		Actt 14202.2		
Allison 250C20	S/N CAE-830723		Engtt 8298.4		
Performed a 100-hour/300 hour inspection in accordance with Rolls-Royce 250 Series M&O Manuals. Performed 300b hour engine compressor case inspection and found case half's non-serviceable due to excessive cracks and erosion. Removed compressor case half's P/N 23057142 S/N 24114. Installed Overhauled compressor case half's set P/N 23057142 S/N 19371 TSO 0.0. Changed engine oil, cleaned oil screen, inspected chip detectors, and serviced with Mobil 254 oil. Changed external engine oil filter element. Performed 6 & 7 bearing oil flow and found to flow 170 cc in 15 sec. Changed engine fuel pump fuel filter element. Washed engine compressor, cleaned fuel nozzle, and inspected igniter plug. Ground run leak checked and found serviceable.					
I certify that this engine has been inspected and repaired in accordance with the above listed inspections and repairs and determined to be in an airworthy condition. Pertinent details are on WO# 27597.					
<i>Paul McKenzie</i> Paul McKenzie DOM for Big Valley Aviation Inc. FAA Repair Station # WG3R944L				BVA 035	

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

FORM 2784 A (BACK)

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
05.20.04	New	5,552.40	Rotorcraft USA W/O# E04/032.	<i>[Signature]</i>	
06-03-04	0.0	5,552.7	Installed in N59553 S/N 1451 Filled w/ Mobil Jet 254 oil	<i>[Signature]</i>	Sinton Helicopters
12.29.04	163.8	5,716.5	Complied with gearbox repair due to oil leak. See gearbox log cards S/N CAG 31079F for details. Ref. Southern Rotorcraft E04/063.		
4/5/05	306.8	5859.5	Replace Gear Box w/0.0 hrs 50H. O.H. by Southern Rotorcraft - W/O E04/030 New GB S/N CAG 31719 F	<i>[Signature]</i> <i>[Signature]</i>	Sinton Helicopters 1596539 SN Sinton Helicopters
1/2/07	1079.1	6681.5	Adjust Oil Pressure	<i>[Signature]</i>	
7/30/11	.				
7/26/13	1570.0	9004.0	Install Rental Comp. S/N CAC 34081, Serviceable Turbine CAT 31478P	CRJ# VB3R913	Helipower

INSPECTION — MAINTENANCE — OVERHAUL RECORD

ENGINE ASSEMBLY

FORM 2784 A

Engine Serial Number CAE - 830723 Engine Model 250-C20B

Date	Engine Time		Remarks	Signature	Organization
	Since OH	Total			
8-31-77	NEW	0.0	FUEL SYSTEM PRESERVED WITH MIL-O-6081 OIL.	<i>Hevenson</i>	PDA - GMC
26/02/87		44321:30	No. 2½ Bearing failure-Down on power-Engine dismantled, all bearings cleaned and inspected reassembled.	<i>Amund</i>	FIELD AVIATION.
27-06-88	NEW	5411:30	METAL CONTAMINATION AFTER NO 2½ BRG FAILURE IN ALL BRGS CLEANED & INSP	<i>Amund</i>	ASTRA HELICOPTERS
05.20.04	New	5552:40	Assembled engine with the following modules: compressor p/n 6890550 s/n CAC-335 22, turbine p/n 6898735 s/n CAT-37131, + gearbox p/n 6894171 s/n CAG-31079F. All modules TSO = Zero. All work I.A.W Rolls-Royce 250-C20 O/H Manual 10W3. Ref. Southern		

-continue-

Part III
Page No. _____

Engine Serial Number CAE - 830723

Engine Model 250-C20B

[illegible]

[illegible]

SERVICE RECORD

ENGINE ASSEMBLY

Part I
Page No. _____

FORM 2782 A

Engine Serial Number CAE - 830723

Engine Model 250-C203

INSTALLED					REMOVED			
Date	Owner	A/C or Eng. S/N	Engine Time		Date	Engine Time		Reason
			Since OH	Total		Since OH	Total	
12-7-80	REPUBLIC	ZS-HEK	00:00	NEW	24-9-85	—	3644:20	MAKING METAL
19-11-85	CRH	ZS-HEK	—	3644:20	30-1-87	—	4321:30	MAKING METAL
11-3-87	CRH	ZS-HEK	—	4321:30	30-05-88	—	5411:30	MAKING METAL
3-7-88	CRH	ZS-HEK	—	5411:30	24-8-88	—	5552:40	F.O.D.
6-3-04	Sinton Helicopters	1451	0.00	5552:40	12/6/04	163.8	5716.5	Oil leaks
1/5/05	Sinton Helicopters	1451	163.8	5716.5	4/4/05	366.8	5859.5	G.B. Oil leaks
4/7/05	Sinton Helicopters	1451	306.8	5859.5	10/17/06	1079.0	6631.4	G.B. Oil leaks
12/29/06	Sinton Helicopters	1451	1079.0	6631.4	6/6/10	2375.6	7928.0	Turbine seal leak
5/14/10	Sinton Hel.	1451	2375.6	7928.0	7/18/13	3451.6	9004.0	Turbine/comp. O.H.
7/26/13	Sinton Hel	1451	3451.6	9004.0	11/12/13	3585.3	9137.7	Turbine/comp Install
11/25/13	Sinton Hel	1451	3585.3	9137.7	3/23/15	289.5	9427.6	TURBINE INSPECTION
4/22/15	SINTON HELICOPTERS	1451	289.5	9427.6	11/23/15	544.1	9682.2	GEARBOX INSPECTION