Loo #2
Closka

Cessna

ENGINE
AND PROPELLER LOG

N 52944 SERIAL NO. L18466-51A

B&S Aircraft Parts and Accessories, Inc.
1414 South Mosley
Wichita, Kansas 67211

CERTIFICATION TAG

Certified Repair Station No. 3154

Unit Name Flow Divider Ser. No. A893

Type 2524232-2 Mfg. Bendix

Overhauled by Steve Catchur Insp. by J E Hedrick

Minor Rep./Alt. Work Order No.

By Repairman

If Not Overhauled Fill Out Below

THIS UNIT TESTED AND APPROVED FOR FURTHER SERVICE

By DATE

1988-

Cessna®

Engine and Propeller Log

Comprehensive Recording of Engine and Propeller Records

FORM P122-13

ENGINE DESCRIPTION

Mfgr.	Place	Date	
Type	Model IO-360-A1B6D	Serial No. L-18466-51A	
Rated H. P.	Maximum H. P.	Weight (Dry)	
Rated R. P. M.	Maximum R. P. M.	Oil Pressure	
Bore	Stroke	Displacement	Cu. In.
Compression Ratio	Supercharger Ratio	Gear Ratio	
Propeller	Hub Design	Hub Serial No.	
Blade Design	Blade Serial	Blade Serial	Blade Serial
Maximum Hub H. P.	Maximum Blade H. P.		
Pitch	Diameter	Length	
Owner's Name			
Address	City	State	

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Aug 13, 1998		Tach 3844.1		T.I. 3844.1		
		Eng Major O/H 1HW Lyco O/H Manual		To Mnft. New		
Specs. Eng Case Repaired By Eng. Comp. Inc. Fuel Servo, Fuel nozzles &						
Flow Divider O/H By B+S Hydraulic. Lifter Bodies repaired by Eng. Comp. Inc.						
Installed The following New parts. Main & Rod Bugs Rod Bolts & nuts						
C/S Counter Wt. Bushings Hyd Lifters, Camshaft, Oil Pump Gears, Ck Cover						
Bolt, oil Thermostatic valve, 4 Cyl Assy. O/H Eclipse 1295 cc, All Gaskets						
& Seals. Eng. Reinstalled N57944 with New Fuel Inj. New Fuel						
Pump & oil Hoses O/H Alternator & Starter. O/H Mag SN 13628 New						
Bugs Points & Seals Impulse Spring. New Vacuum pump. Eng. Serviced with						
Royal Shell 100W Test run on ground & determined Airworthy for						
Break in flight. See A/C Log for A/B Insp.						
					Richard Dunn # P1838702	
Aug. 13, 1998		Tach 3845.7				
		Eng. Test Flown oil & Cly Temps Observed				
					Richard Dunn # P1838702	

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ENGINE LOG

DATE 1998	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Dec 11/98	T.T.I.S. 3947.2	Tach		3942.2 TSmo.H. 103.1 Inspected engine I.A.W. 14 CFR 93 appdx(d). Changed o:l & filter. No metal noted. Serviced with Aeroshell 22-100. Cleaned, gapped, tested & rotated spark plugs. Cleaned & Fuel inj. nozzles. cd/w AD 93-02-05 dated 6-14-93 by insp of fuel lines & clamps due each 100hrs. Comp tested 79 & better. Ground run sat.		

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr. INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION [signature] 4298936 A&P

I CERTIFY THAT THIS ~~HAS BEEN INSPECTED IN ACCORDANCE WITH A INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION~~

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19.	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Feb. 16, 1999	Tach 4045.1 SMOH 201.1					
	Changed Oil & Filter Aero Shell 100W. Checked Pump,					
& Mag. Timing Cleaned & Gapped Spark Plugs. GWHS 93-02-05 Ltd						4-14-93
By Insp. Fuel Hoses Due 100 hrs.						
				I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION Richard Dewey IA# 1838700		

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Nov 5, 1999	Tach	4140.6	T.T. 4140.6	SMOH 296.5		
		Changed oil & Filter. Aero Shell 100W. Checked				
		Comp. & Mag. Timing. Cleaned & gapped Spark Plugs.				

I CERTIFY THAT THIS Engine
HAS BEEN INSPECTED IN ~~ACCORDANCE~~
WITH A Annual INSPECTION AND WAS
DETERMINED TO BE IN AN AIRWORTHY
CONDITION

Richard Vining A+P 1838900

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
March 9, 2000	Tach			Tach 4243.3 T.T. 4243.3 SMOH 399.2		
				Changed oil & Filter Aero Shell 100W Checked Comp. & Mag. Timing Cleaned & Gapped Spark Plugs. Replaced RA Muffler with O/H 2054000-38 see Tag Dated 3-3-00.		
				I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION	Richard Young A&P 1838900	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
18 Aug	2000			Completed 100hr Inspection F.A.W 14 CFR 43 appx D. Cleaned		
Tach	4350.1			gapped, tested & rotated plugs. Compression test sat.		
SMOH	506.0			Drained oil & checked filter. No metal noted. Serviced		
				with Aeroshell 4) 100. Complied with AD 96-12-07 dated 18 Sept 96		
				by insp of coupling due each 500hrs. Complied with AD 93-02-05		
				dated 9-25-27 due each 100hrs by insp of fuel lines due each 100hrs.		
				Ground run & leak checked sat. I certify that this engine has been		
inspected and is in Airworthy condition.				Robert B Clay 429293456 A&P.		

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
6 Oct 2000	Tach	4441	9	597.8 Smoh. Completed 100 hr insp. I.A.W. 14 CFR 43 app (D). Cleaned, gapped, tested, rotated. Spark plugs. Cleaned fuel nozzles. Compression tested sat. 77/80 and better. Drained oil and inspected filter. No metal noted. Serviced with Aeroshell W100. Replaced bolt in Right muffler support bracket. Complied with AD 93-02-05 dated 9-25-97 due each 100 hrs by insp. of fuel lines. Groundrun sat.		

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION Robert B. Craig 42929456 A.P.

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
4Dec2000		Tach 4554.4 T.T.I.S. 4554.4 SMOH 710.3		Completed Annual Inspection IAW 14 CFR 43 appx D. Changed oil and filter. No metal noted in filter. Serviced with Aeroshell W100. Cleaned gapped, tested and rotated spark plugs. Compression test sat. Complied with AD 93-02-05 dated 6/14/93 due each 100 hrs by insp. of fuel lines. AD 96-12-07 dated 7/8/96 due @ O/H, prop strike etc. Ground run & leak checked sat.		

I certify that this Engine has been inspected and found to be in airworthy condition

Robert B. Craig 429293456 I. A/P.

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE 19

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
24 Jan 2001		T.T.I.S. 4650.2 = Tach		T.S.O.H. 806.1 Completed 100hr insp.		
		I.A.W. 14 CFR 43 apdx (d). Replace two fuel line clamps with				
		P/N LW 10266-10-75. Complied with AD 93-02-05 dated 6/4/93				
		by checking fuel lines & clamps due each 100hrs. Change oil and				
		inspected filter. No metal noted. Serviced with Aeroshell W100.				
		Compression check sat. 76/80 and better. Ground run sat.				
		I certify that this Engine has been inspected and found to be in airworthy condition		I certify that this has been inspected and found to be in airworthy condition		
		Robert B. Craig 429293456 A+P				

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
4 6 Apr	91 Tach	4745.4	S	MOH 901.2 Inspection for 100 hr I.A.W. 14 CFR 43 appdx(D) Changed oil & insp. filter. No metal noted. Serviced with Aeroshell W/OP. Installed new oil gauge and filler tube. Installed new Ignition harness. Removed & refit prop for overhaul due to life limit & seal leaking. Compression tested sat 74/80 and above. Complied with AD 93-02-05 dated 9d93 by insp. of fuel lines. Ground run leak checked & test flown sat.	I certify that this Engine has been inspected and found to be in airworthy condition. Robert B Craig 1042926 A&P	

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DATE 19 6 Ju

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
6 June 2001	43	4847	8	SMOH 1003.6 Completed 100 hr insp IAW Condenser P/N 10-382807 TCM. Changed oil & inspected filter. No metal. Noted. Serviced with Aeroshell W100. Cleaned, gapped, tested & rotated spark plugs. Compression test set ① 74 ② 76 ③ 76 ④ 76 @ ATD list in A/C frame book. Ground run & leak checked set.	Robert B. Lair 42 42 98 456 Rep	

I certify that this Engine has been inspected and found to be in airworthy condition

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
30 June 2001	Tach 1874.9			SMOH 1030.7. Removed engine for purposes of Lyc SL. 1290E. Discarded cam shaft, case S/N 411503, main bearings and lifter bodies. Installed New czm S/N C-388, New main bearings, all new lifter bodies, new #1 body fit thru bolts into Divco Repaired case S/N 434. Cylinders refit with new gaskets. Divco case incorporates Lyc SL 1290E. Engine Reassembled I.A.W. applicable SL/SB's, SI and overhaul manual. Serviced with Aeroshell W100.		
	NOTE:			This engine has not been overhauled @ this time and has had no prop strike, sudden stop, tip loss or crank gear removal. Engine refit with new vibration isolators, and has been groundrun, leak checked & test flown 8 hrs.		
				Robert B. Chaij A&P/SEL #292934567 I.A.		

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DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS		SIGNATURE	LICENSE NUMBER
20 July 2001	4.0			(8) Ser Susp Ser Ch	r - no metal gated Fuel pump due to 73 S/N 1547321 01. ase bolts torque Robert B. Chaij	429283456 A&P
24 Aug 2001 Tach 0048.0		4942.5 T.I.S.		1098.3 SMOH		

Completed 100hr Insp. F.A.W. 14CFR 43 appx D. Changed oil and filter. No metal compression tested sat. C/w AD 93-02-05 dated 6/14/93 by insp. of fuel lines due each 100 hrs, AD 96-12-07 dated 7/8/96 due @ 5347.8 or 453.3. Tested & gapped spark plugs, Replaced air filter. Ground run and leak checked sat.

I certify that this Engine has been inspected and found to be in airworthy condition

Robert B. Chaij
429283456 A&P

PERISHABLE MATERIAL

PART/SPEC. NO. LW-15473 REV.

PART NAME FUEL PUMP QUANTITY 1

MFG. NAME S/N 1547321 01 LOT/BATCH NO.

SPECIAL ENVIRONMENTAL STORAGE CONDITIONS:

LP 263

CURE/MIX DATE EXPIRATION DATE 2006

TL 930 Rev. 6/89

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
14 May 2001	Tach = T.T.I.S	5042.1	SMOH 1192.9	Completed 100 hr/Annual Inspection I.A.W. 14 CFR 43 Appx D. Compression tested sat 79, 79, 78, 76. Cleaned, gapped, tested & rotated spark plugs. AD's listed in Airframe and in Records. Changed oil & inspected screen. No Metal Noted. Ground Run and leak checked sat.	Robert B Craig A&P 42 92 93 45 6 IA	
8 Jun 2002	Tach	237.6	T.T.I.S. 5137.1	SMOH 1292.9 Completed 100 hr Insp. I.A.W. 14CFR 43 appx D. Compression test sat ①78/80 ②77/80 ③78/80 ④73/80. Do metal retaining filter. Changed oil and serviced with Aeroshell W100. Cleaned, gapped, tested and rotated spark plugs. Ground run & leak checked sat. AD's in Airframe log.	Robert B Craig 42 92 93 45 6 IA	

I certify that this Engine has been inspected and found to be in airworthy condition

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ENGINE LOG

LICENSE NUMBER	DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
~~ection~~	~~10 MAR 2002~~	~~TACH~~	~~290.2~~		N/A		
& 76.	11 mar 02	Tach	297.2		T.T.S. 5193.7 S.M.O.H. 1349.5		
An		Cleaned gapped & tested spark plugs. Installed new spark plug # RHM 38 E.					
Mo		Changed oil & filter # Ch 48103 Ground run & leak checked sat. ~~Mech~~ A&P					472476510
					5235.0 1390.8		
	11APR2002	TACH	335.5		TTIS. ~~5291.6~~ SMOH. ~~1447.4~~ Completed 100 hr Insp.		
		I.A.W. 14 C.F.R. 43 Apdx D Comp. test Results ① 79/80 ② 79/80 ③ 79/80 ④ 79/80					
		changed oil, No metal Noted Serviced with Aeroshell 100 Cleaned gap & Tested					
		Plugs Ground Check & leak checked AD # 93-02-05 C.W.					
		I certify that this Engine has been inspected and found to be in airworthy condition			Ron Aplan 4321211800 A&P		

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
30 July 2002		Tach 437.7		SMOH 1492.5 T.T.I.S. 5336.7. Completed 100 hr. Insp. I.A.W. 14 CFR 43 appdx D. Removed fuel system for calibration and Inspection. Refit system with 4 ea New fuel nozzles. Ref. B+S W.O. # 0204559 - 0204568 attached. Cleaned, gapped, tested + rotated spark plugs. Compression test sat. Changed oil and insp. filter. No metal noted. Serviced with Aeroshell W100. Complied with AD 93-02-05 dated 6/14/93 due each 100 hrs by insp of fuel lines + clamps. Ground run + leak checked sat. Robert B. Craig 4292345 A+P		

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ENGINE LOG

LICENSE NUMBER	DATE 2002	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	11-15				Drained oil Changed filter		
	Tach	498.2			Refilled with 8qts Aeroshell 100W.		
	TSMOH	1553.5			Test run to 1Pfor Leaks found		
					satisfactory	AP 4318255	
	12-19-2002						
	TSMOH	1596.8			Complete 100h in accordance with 14 CFR 43 appendix D		
	Tach	541.5			Removed cowling cleaned engine and bottom plug. Checked		
					compression. Changed oil & filter. AD 93-02-05 Visually		
					inspected fuel injector lines. Pre-run 100h. Ground run &		
					Checked for leaks		
						4318255	
	12-24-2002						
	Tach	542.5			Removed Magneto 10-382555-11 D-2000 and installed		
	TSMOH	1692.8			10-682555-11 D-3000 Returned by TCM.		
						4318255	

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01-01

ENGINE LOG

DATE #2083	DURATION		ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
TSMO	1609	10			Completed 100 hr inspection in accordance		
Tach	941	60			with 14 CFR 43 app. D. [redacted]		
					Checked Compression, cleaned oiled, rotated plugs		
					AD 93-02-05 Visually inspected cylinder fins per AD		
					Installed rotated cylinders in same pos.		
						CX83253	

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
1-2-2003	TACH	5538		Remove Cowling & clean engine, Check fuel pump, Check & Lube all Engine Controls, clean fuel screen, Check all fuel and oil lines, Check engine Mount, cores, Bolts, Nuts Check prop for cracks, Check Exhaust Muffler for leaks, Check Runners Shows no leak, C/W AD 93-02-05 By Inspection of fuel injectors fuel lines.		

ENGINE
A-100 PRT
ACCORDANCE
INSPECTION
Toledo Rg MO AC#1690382
1-2-2003 TOTAL TIME
T.S.M.O.H = 6576.8

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ENGINE LOG

DATE 2003	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
4/02				Removed cowling. Checked compression		
Tach 6337				found satisfactory. Cleaned oil		
				filter with aeroshell tool changed filter.		
				Cleaned gapped & rotated plugs		
				A.D. 93-07-05 visually inspected		
				injector lines. Ground run found		
				satisfactory for idle imp. F.A.W.		
				14 CFR 43 app. D.		
					431839853	

06/18/03 N52944 704.1 Tach 5603.6 A.C.T.T. Changed oil and filter-serviced engine with 7 qts. Aeroshell 100 oil. Charles Glen Hutchens A&P572869612

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ENGINE LOG

LICENSE NUMBER	DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
					09/15/03 N52944 751.4 Tach 5650.9 T.T.I.S. 1806.7 S.M.O.H. 100 hour inspection complied with on this date. Changed oil and serviced engine with Aeroshell 100 oil. Removed filter and inspected for metal-none found, and installed a new P/N CH48103 filter. Cleaned, gapped, and tested spark plugs. Checked compressions #1-74/80, #2-72/80, #3-76/80, #4-72/80. Checked mag to engine timing and inspected ignition harness. Inspected hoses, lines, control cables, engine mount and shock mounts. Inspection, servicing, and maintenance was done in accordance Cessna Model 177RG Series Service Manual P/N D2009-4-13. I certify that this engine was inspected in accordance with a 100 HOUR inspection and was determined to be in an airworthy condition on this date. Charles Glen Hutchens A&P572869612IA		
					11/17/03 781.7 Tach 5681.2 T.T.I.S. 1820.9 S.M.O.H. Changed oil and serviced engine with Aeroshell 100 oil. Removed filter and inspected for metal-none detected, and installed new filter P/N CH48103. Complied with AD 02-12-07 in accordance with Lycoming MSB 543B by installing new oil filter adapter gasket P/N 06B23072, AD 02-12-07 is terminated in accordance with Par. (e). Engine ground ran for leak and ops check-sat. Inspection, servicing, and maintenance was done in accordance with Cessna Model 177RG Series Service Manual P/N D2009-4-13 and Lycoming Direct Drive Engine Overhaul Manual P/N 60294-7. I certify that in regard to this log entry that this engine is approved for return to service. Charles Glen Hutchens A&P572869612IA		

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
				01/02/04 845.8 Tach 5745.3 T.T.I.S. 1885.0 S.M.O.H. Annual inspection complied with on this date. Drained oil and serviced engine with Aeroshell 100 oil. Removed filter and inspected for metal-none detected, and installed new filter P/N CH48103-1.Replace starter drive and drive housing bushing with new PMA drive and bushing .replaced all cylinder intake gaskets with new gaskets P/N71973. Replaced # 2 cylinder oil return hose with new. Installed new induction Filter P/N BA 5705. Checked compressions, #1-74/80, #2-74/80, #3-74/80, #4-72/80. Cleaned, gapped, tested spark plugs. Checked mag to engine timing. Inspected lines, hoses, cables, shock mounts, engine mount, ignition harness, baffles. Inspection, servicing, and maintenance was done in accordance with Cessna Model 177RG Series Service Manual P/N D2009-4-13 and Lycoming Direct Drive Engine Overhaul Manual P/N60294-7. I certify that this engine was inspected in accordance with an annual inspection and was determined to be in an airworthy condition on this date. Charles Glen Hutchens A&P572869612IA		
				02/19/04 886.1 Tach 1925.3 S.M.O.H. Drained oil and serviced engine with Aeroshell 100 oil. Removed filter and inspected for metal-none detected, and installed new filter P/N CH48103-1. Warmed engine and ground ran for leak and ops check-good. Servicing was done i.a.w. Cessna 177RG Series Service Manual P/N D2009-4-13. I certify that in regard to this log entry this engine is approved for return to service. Charles Glen Hutchens A&P572869612IA		

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
6/18/69	TACH	912.	1	OIL AND FILTER CHANGED		
	TTSN OH	1951.3		SERVICED WITH 20QTS AEROSHELL 100.		
				W/ASHED ENGINE. LEAK CHECKED OK. INSTALLED ROOF AREA		
				INTAKE GASKETS. INSTALLED ALL NEW SILICONE BAFFLING		
				AND FELT. TIGHTENED SPRINGS ON ENGINE BAFFLING.		
				B.A.P. 4368825E.		
8-13-69	TACH	990.1		CHANGED OIL AND FILTER		
	TTSN OH	1972.3		SERVICED W/ 20QTS PHILLIPS 20W50 CROSS-COUNTRY		
				W/ASHED ENGINE. TESTED OK.		
				B.A.P. 4368825E		

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ENGINE LOG

DATE 2025	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
3-18-25	TACH TIME	881.7		ALL FOUR CYLS REMOVED FOR		
	HOBBS	1424.2		OVERHAUL. ALL NEW INT AND EXH.		
	TSMOH	2020.9		GUIDES INSTALLED. NEW VALVE SEATS		
	TSTOP	0		INSTALLED AS REQUIRED. SEE YELLOW		
				TAGS PER GIBSON MANUAL. CYLS REASSEMBLED WITH		
				NEW EXHAUST VALVES, NEW VALVE SPRINGS KEEPERS,		
				AND CAPS INSTALLED. NEW RING SETS INSTALLED ON		
				SERVICEABLE PISTONS. NEW CASE SEAL AND CYL O-RINGS.		
				FUEL SERVO SCREEN CHECKED AND CLEANED. ALL FUEL AND		
				OIL HOSES IN ENGINE COMPARTMENT REPLACED W/NEW		
				BE A.E.R.O. (3 OIL, 4 FUEL) ALL FUEL INJECTORS CLEANED		
				SPARK PLUGS CLEANED AND GAPPED. INSTALLED NEW		
				B&A 5205 AIR FILTER. INSTALLED ALL NEW OIL RETURN		
				LINES. INSTALLED NEW STARTER CABLE. INSTALLED		
				NEW ALT. GROUND CABLE AND OUTPUT CABLE. REMOVED		
				ALT FIELD WIRE. INSTALLED NEW CH-48103-1 OIL		
				FILTER AND SERVICED W/7 QTS AEROSHELL W15W40		

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ENGINE LOG

LICENSE NUMBER	DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
					MAGNETO OIL FOR CYL. BREAK-IN. INSTALLED NEW GOLD GASKET. NEW MAG GASKET. ALL NEW INTAKE GASKETS, NEW EXH GASKETS, ROCKER BOX GASKETS, NEW OIL DIPSTICK TUBE GASKET. NEW OIL DRAIN TUBES. INSTALLED ALL NEW SCAT HOSE FOR AIR INTAKE AND CARB HEAT. REPAIRED AIR BOX. REPAIRED ALL BAFFLING AND REINSTALLED W/NEW SILICONE BAFFLE SEAL. INSTALLED NEW CRANKSHAFT SEAL. COMP. OF CYLS. CKED 72/80 74/80 73/80 76/80. CKD. MAG TIMING. REPAIRED CRACK ON RH MUFFLER SEAM. REINSTALLED EXH. SYSTEM W/NEW HARDWARE. RUN 1000 HR. INSP. COMPLETE THIS DATE. ENG PERFORMANCE THIS DATE NORMAL CLEANED AND REINSTALLED SPARK PLUGS. NO LEAKS AD 43698256		
					THRU TBO 2002-26-01 REV 1 STINGER FUEL INJECTOR LINES. PER SB LYC-382D AD 43698256		

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
TACH-1010.4				CHANGED OIL AND FILTER.		
7/07/05				SERVICED W/ 7 QTS. PHILLIPS 20W-50,		
				INSTALLED NEW CHAMPION 48103-1 FILTER.		
				CHECKED ENGINE AND COUPLING, FUEL RUN, NO LEAKS!		
				N.P. 936888254		
7/12.05				INSPECTED OIL SYSTEM STARTED		
				SECURED W.T. AND BACKJACK		
9/30/05	TACH-1015.1			CHANGED OIL AND FILTER. SERVICED W/ 7 QTS		
AEROSHELL	100 W			INSPECTED NEW CHAMPION 48103-1 FILTER		
WASHED	ENGINE	AND	COUPLING.	RAN ENGINE, LEAK CHECKS OK		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	4/27/96		100 HR. INSP. COMPLETE THIS DATE. TACH READS 1063.0			
				CHANGED OIL AND FILTER. SERVICED W/ 20 FS. AEROSHELL 100 AD. CLEANED SPARK PLUGS. CLEANED FUEL INJECTOR NOZZLES. CLEANED THROTTLE ROCKER BOX COVERS. CKED COMP. RESULTS AS FOLLOWS		
	24/80	25/80	28/80	27/80 INSPECTED GENERAL CONDITION OF LINESMEN HOSES AND FOUND TO BE AIRWORTHY.		
				REMOVED EGT HARNESS AND SECURED. CERTIFY THIS ENGINE INSPECTED IN ACCORDANCE W/ A 100 HR. INSP. AND FOUND AIRWORTHY. A.P. 43.6882.56		
		TACH	1066.1			
		TSOH CORRECTED THIS DATE TO 216.9		TOTAL SINCE TOP OH IS 84.4		

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ENGINE LOG

DATE 2006	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
03 JUN	1068.2	TACH		REMOVED OIL FILTER AND INSPECTED. INSTALLED NEW OIL FILTER. PINCH 48193-1 AND SAFETIED GROUND RUN + LEAK CHECK — NO LEAKS. -END-		
				Cabin - CARL A PAPONEICH AP 523550428		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE 19

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER

Date: 10-13-2006 **Tach:** 1093.3 **Reg. No.:** 52944
Eng. Model: IO-360-A1B6D **Eng. S/N:** L-18466-51A
SMOH: 000.0

Engine Major Overhaul

Completed engine major overhaul this date in reference with Lycoming overhaul manual 60294-7, parts manual PC-406 and all applicable service bulletins, letters and instructions. This engine has been overhauled to standard and limits. Crankcase overhauled/certified, crankshaft overhauled/certified, camshaft overhaul/certified, counterweights reconditioned per Lycoming service instruction #1143B, connecting rods align bored, and Lycoming factory new cylinders. Engine accessories were overhauled/exchanged or new as follows: ignition harness, champion massive spark plugs, magneto, fuel servo, flow divider, Lycoming fuel pump, propeller governor, vacuum pump, and oil cooler. Maintenance release tags and list of complied with A.D.'s provided. Engine dynamometer tested in accordance with Lycoming's overhaul manual and is approved for return to service. For complete details concerning this overhaul, refer to work order #4237-07-2006 on file at this overhaul facility.
END.

Donald D. Mumford
A&P523801911

Firewall Forward
Loveland, CO 80538

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGIN

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS
		HOURS	IOTHS	
19				

Date: 10-26-2006 **Tach:** 1093.3 **Reg. No.:** 52944
Eng. Model: IO-360-A1B6D **Eng. S/N:** L-18466-51A **SMOH:** 000.0
Engine Major Overhaul

ACCESSORIES OVERHAULED OR EXCHANGED AT OVERHAUL

MFG. NAME	COMPONENT	MODEL/PN	SERIAL No.
Bendix/Quality	Magneto	10-682555-11	G02LA012R
Precision	Fuel Servo	RSA-5AD1	63443
Precision	Flow Divider	2524232-2	75279
Lycoming	Fuel Pump	LW15473	0306
McCauley	Prop. Governor	C290D3J/T12	802827
Tempest	Vacuum Pump	AA3215CC	N41277
Stewart Warner	Oil Cooler	8406J	7255

Firewall Forward, Int'l
Loveland, CO 80538

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER

Date: 10-27-2006 **Tach:** 1093.3 **Reg. No.:** N52944
Eng. Model: IO-360-A1B6D **Eng. S/N:** L-18466-51A **SMOH:** 000.0
Engine Major Overhaul

Completed engine and propeller installation, this date for the purpose of a major engine overhaul. Serviced engine with 8 quarts of 80w straight mineral oil. Installed new air-filter P/N BA5705. Engine functional and leak test satisfactory. This engine is returned for service. For complete details concerning this installation refer to work order# 4236-07-2006 at this overhaul facility.

Conan Poitra
A&P 467438180

Firewall Forward, Inc.
Loveland, CO 80538

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT

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19

LICENSE NUMBER | DAT

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DATE: 06/15/07 **TACH:** 1093.3 **N:** 52944 **MODEL:** 177RG **S/N:** 177RG1315 **TT:** 5992.8
ENGINE MODEL: IO-360-A1B6D **S/N:** L-18466-51A **TSMOH:** 0.0
PROPELLER MODEL: B2D34C207 **S/N:** 7710290 **TSMOH:** 1227.7

Completed **annual** inspection this date IAW FAR 43 App. D and checklist. AD's researched through 2007-11.

I certify that this engine has been inspected in accordance with an **annual** inspection and was determined to be in airworthy condition

Date: 9-11-2007 **Tach:** 1095.9 **Reg. No.:** N52944
Eng. Model: IO-360-A1B6DFF **Eng. S/N:** L-18466-51A

erald L. Gates A&P 3030583IA

"Horsepower Plus" Conversion

Removed cylinders this date for the purpose of a Horsepower Plus conversion in accordance with STC SA4030NM (FAA form 337 filed this date). Replaced connecting rod bolts with new heavy rod bolts P/N# SL12596, installed new pistons P/N# LW-11487S and piston rings P/N# SL3601SC, new oil filter P/N# CH48103-1, and larger oil cooler P/N# 10599R. Added 9 quarts Aeroshell Mineral Grade 80ND (40W). Aircraft function, leak and flight test satisfactory. For details concerning the work performed refer to W.O# 7477 at this overhaul facility.

Glenn Trostel
A&P 3200072

The New Firewall Forward
Loveland, CO 80538

DATE

DUR

19

LICENSE
UMBER

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

41.6 SMOH
6029.4 TT

Engine Lycoming
Model – IO-360-A1BD6
N52944

October 14,2007
Tach – 1134.9

Scheduled Maintenance

Drained oil. Removed lower oil sump plug. Removed & replaced oil filter with new PN CH48103-1 filter. Inspected old filter and determined no metal. Added 8 quarts Aeroshell 100W Straight Mineral Oil at owners request. Operationally tested and leak checked engine.

Shawn C. Sayle
AP490825188

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE

19

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

N52944

May 16, 2008

Engine Lycoming
Model – IO-360-A1BD6
SN – L-18466-51A
Tach – 6103.71 ETT – 6103.71 SMOH – 110.91 ACTT – 6103.71

Scheduled Maintenance

Compression results; #1) 78 / 80, #2) 76 / 80, #3) 78 / 80, #4) 76 / 80. Drained oil. Removed & replaced oil filter with new PN CH48103-1 filter. Inspected old filter and determined no metal. Added 7 quarts Aeroshell 15W50 AD oil. Fuel filter screen inspected & cleaned. Spark plugs removed, cleaned, inspected, re-gapped and re-installed. Magneto timing to engine checked. Operationally tested and leak checked engine.

Airworthiness Directives/Service Bulletins

Reference Compliance data sheets dated this date 5/16/2008. AD's checked through current issue.
CW AD -2002-26-01 Fuel Injector Lines, CW AD- 2008-06-51 Fuel Servo Plug Inspection.
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.

Shawn C. Sayle
A&P 490825188IA

DATE 19	DURATION	

ENGINE MODEL:
IO-360-A1B6DFF
ENGINE S/N: L-18466-51A
REG. NO: N52944
WORK ORDER: 20023

Smyrna Air Center Inc.
Repair Station No. RG4R491M
300 Doug Warpoole Road
Smyna, TN 37167
Phone: (615)459-3337

DATE: 9/5/2008
A/C TSN:
ENG TT:
TACH: 6115.54

Engine Entries

Engine removed for sudden stoppage inspection; Reinstalled engine P/N IO-360-A1B6DFF S/N L-18466-51-A after sudden stoppage inspection complied with by The New Firewall Forward. (see logbook entry dated 8-15-2008). Ground ran engine; all indications were within normal operating ranges. No leaks noted... Removed exhaust manifold for repair; installed exhaust after repair by Acorn welding (see 8130-3 dated 07/1/08) using 6ea new gaskets P/N 71973. Accomplished IAW Lycoming IO-360-A1BH6DFF maintenance manual... Replaced crankcase heat blanket terminal leads with new connectors P/N 4072-4, I/A/W AC43.13-1B. Operational check normal

The aircraft and/or component(s) on N52944 was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. "Pertinent details of the repair are on file at this repair station No. RG4R491M under Work Order No. 20023 Dated 9/5/2008

DATE: 9/5/2008 SIGNED:

Michael Miles
Certified Repair Station No. RG4R491M

Work Order: 20023

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CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE

19

SIGNATURE

Date: 8-15-2008 Tach: Reg. No.: N52944
Eng. Model: IO-360-A1B6DFF Eng. S/N: L-18466-51A

Propeller Strike Inspection

Completed propeller strike inspection this date in reference with Lycoming overhaul manual 60297-12, parts manual PC-406-1 and all applicable service bulletins, letters and instructions. All internal steel parts magnetic particle inspected. Crankcase dimensionally inspected, crankshaft dimensionally inspected and magnafluxed, and counterweights reconditioned per Lycoming Service Instructions 1143B. Engine accessories were overhauled/ exchanged or new as follows: Magneto, and propeller governor. Maintenance release tags provided. C/W para. (f) and (g) of AD 2004-10-14 (see AD for pertinent information). Engine dynamometer tested in accordance with Lycoming's overhaul manual and is approved for return to service. For complete details concerning this propeller strike inspection, refer to work order #8024 on file at this overhaul facility. END.

Thomas E Harvey
A&P 3274481

The New Firewall Forward
Loveland, CO 80538

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

Engine Lycoming
Model – IO-360-A1BD6
Tach – 6150.75

N52944

ETT – 6150.75

December 16, 2008
SN – L-18466-51A
ACTT – 6150.75

Scheduled Maintenance

Drained oil. Removed & replaced oil filter with new PN CH48103-1 filter. Inspected old filter and determined no metal. Added 7 quarts Aeroshell 15W50 AD oil. Operationally tested and leak checked engine.

Airworthiness Directives/Service Bulletins

CW AD -2002-26-01 Fuel Injector Lines – Next due 100 hours.

Shawn C. Sayle
AP490825188

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE

19

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

N52944

June 11, 2009

Engine Lycoming
Model – IO-360-A1BD6
SN – L-18466-51A
Tach – 6206.94 **ETT – 6206.94** **SMOH – 214.14** **ACTT – 6206.94**

Scheduled Maintenance

Compression results; #1) 78 / 80, #2) 76 / 80, #3) 78 / 80, #4) 76 / 80. Drained oil. Removed & replaced oil filter with new PN CH48103-1 filter. Inspected old filter and determined no metal. Added 8 quarts Aeroshell 15W50 AD oil. Fuel filter screen inspected & cleaned. Spark plugs removed, cleaned, inspected, re-gapped and re-installed. Magneto timing to engine checked. Operationally tested and leak checked engine.

Airworthiness Directives/Service Bulletins

Reference Compliance data sheets dated this date 6/10/2009. AD's checked through current issue.
CW AD 2008- 14-07 Fuel Injector Lines, CW AD- 2009-02-03 Fuel Servo Plug gasket.

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.

Shawn C Sayle
AP4908251[illegible]A

INSPECTION			REPAIRS		
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

N52944

September 23, 2009
SN – L-18466-51A

Engine Lycoming
Model – IO-360-A1BD6
Tach – 6242.52

Scheduled Maintenance

Drained oil. Removed & replaced oil filter with new PN CH48103-1 filter. Inspected old filter and determined no metal. Added 8 quarts Aeroshell 15W50 AD oil.

Shawn C. Sayle
AP490825188

PROPELLER INSPECTION & REPAIRS

INSPECTION					REPAIRS
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE

SRT AVIATION, INC
Mount Vernon, Illinois - MVN

N52944

Dec 21, 2009
~~September 13, 2009~~
SN – L-18466-51A

Engine Lycoming
Model – IO-360-A1BD6
Tach – 6278.99

Scheduled Maintenance

Drained oil. Removed & replaced oil filter with new PN CH48103-1 filter. Inspected old filter and determined no metal. Added 8 quarts Aeroshell 15W50 AD oil. Leak checked and run-up engine. No defects noted.

Shawn C. Sapp
AP490825188

PROPELLER INSPECTION & REPAIRS

INSPECTION					REPAIRS
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE

10/27/2006

Airworthiness Compliance Summary

Engine - Textron Lycoming - IO-360-A1B6D

AD #	Category	Subject	Amend. #	Recur.	Date and Hours	Next Due
2006-20-09	Engine	To prevent failure of the crankshaft	39-14778	No	N/A by Engine and Crankshaft S/N	
2006-06-16	Engine	To prevent failure of the crankshaft	39-14525	No	N/A by Engine and Crankshaft S/N	
2005-26-10	Engine	To prevent loss of engine power due to cracks in the cylinder assemblies	39-14431	No	N/A by manufacturer, Lycoming factory new cylinder assemblies	
2005-19-11	Engine	Prevent failure of the crankshaft	39-14276	No	N/A by Engine and Crankshaft S/N	
2004-10-14	Engine	CORRECTION - Prevent loosening or failure of the crankshaft gear retaining bolt	39-13644	Yes	N/A by engine not involved in a propeller strike	
2003-14-03	Engine	Prevent rotary fuel pump leaks	39-13222	Yes	N/A by installed equipment	
2002-26-01	Engine	Prevent failure of the fuel injector fuel lines	39-12986	Yes	10-13-2006 1093.3 Tach.	Every 100 Insp./Overhaul
2002-12-07	Engine	Prevent complete loss of engine oil	39-12779	Yes	10-13-2006 1093.3 Tach.	50 Hours
98-17-11	Engine	Crankshafts	39-10713	No	N/A by Engine Model	
98-02-08	Engine	Crankshaft corrosion	39-10291	Yes	N/A by "PID" stamp on crankshaft flange	
97-15-11	Engine	Piston pin	39-10085	No	N/A by new pins at O/H	
96-23-03	Engine	High pressure fuel pumps	39-9826	No	N/A by new pump at O/H	
96-09-10	Engine	Oil Pumps	39-9586	No	N/A by engine model	
95-26-02	Engine	Low octane detonation	39-9460	No	N/A by Reg. No.	
95-07-01	Engine	Connecting rod bolts	39-9183	No	N/A by new rod bolts at O/H	
93-14-15	Engine	Operation placard	39-8639	No	N/A- Engine not Modified	
93-11-11	Engine	AC, Textron, Rajay fuel pumps	39-8584	No	N/A by P/N	
92-12-05	Engine	Piston pin failure	39-8265	No	N/A by new pins at O/H	
90-04-06 R1	Engine	Prop governor oil line	39-6915	No	Complied with paragragh (a) (1) and (b)	
79-04-05	Engine	Fuel diaphragm	39-3570	No	N/A by P/N	
78-23-10	Engine	Center body bellows seal assembly	39-3333	No	N/A by P/N	
75-09-15	Engine	Fuel flow divider gasket	39-2187	No	C/W by P/N 2538998 installed	
75-08-09 R3	Engine	Oil pump	39-3013	No	N/A by S/N	
73-23-01 R4	Engine	Piston pin failures	39-2804	No	N/A by new pin at O/H	
71-11-02	Engine	Hydraulic tappet plunger	39-1403	No	N/A by S/N	
71-05-02 R4	Engine	Crankshaft main bearings	39-1589	Yes	N/A by S/N	
66-20-04	Engine	Oil filter adaptor gasket	39-277	No	N/A by P/N	