

TEXTRON Lycoming

ENGINE LOG

N3665W

SSP-1872-1

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF **TEXTRON LYCOMING**

MAKE

MODEL

SERIAL

FROM

DETAILING TIME FROM

HOURS

TO HOURS

SSP 1872-1

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October 1994

N3665W

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.

LRFD-489
(rev. 10-96)

N3665 W

This engine has been overhauled/rebuilt in accordance with the applicable Textron Lycoming manuals. All applicable Federal Aviation Administration Airworthiness Directives and Textron Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: O-540-E4B5
Serial #: L-22558-40A
Total Time: 3761.7
Work Order #: PLR22558
Date Completed: 4/10/01

Authorized Signature Margie Dupin
Textron Lycoming
652 Oliver Street
Williamsport, PA 17701
Repair Station: EJ1R115K

ENGINE DESCRIPTION

Mfgr. TEXTRON LYCOMING	Place Williamsport, PA 17701	Date	
Type	Model	Serial No.	
Rated H.P.	Max. H.P.	Weight (Dry)	
Rated R.P.M.	Max. R.P.M.	Oil Pressure	
Bore	Stroke	Displacement	Cu. In.
Compression Ratio	Supercharger Ratio		
Reduction Gear Ratio			
Propeller	Hub Design	Hub Serial No.	
Blade Design	Blade Serial No.	Blade Serial No.	
Max. Hub H.P.	Max. Blade H.P.		
Pitch	Diameter	Length	
Name			
Address			

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
MAY-29-02					
Smolt	42.0		100 Hour inspection Completed. Compression Test 0.91 0.96 0.95 0.95 0.90 0.91 100, 100, 100, 100, 100, 100.		
A/C Test	2229.0		Changed oil and oil filter. Cleaned out air induction box and replaced Air Filter. Cleaned gapped, tested and rotated spark plugs. Tightened rocker box covers and intake hose clamp. Filed and painted prop. AD Notes clw by inspection and Piper Service Manual. Other minor repairs and adjustments were done. Engine cleaned, test ran and operated normally. Engine inspected I/A/W FAR 43, Appendix "D" and Piper Service Manual. List of "A D" Notes in back of Aircraft.		
(Total Time Since New - 3803.7) (Total Time Smolt - 42.0)					
			Page Total		
			Brought Forward		
			Total to Date		

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIR-WORTHY CONDITION.

Date MAY 29 2002 Time in Service 3803.7

Signature [Signature] No. 174490487
 All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.

Harford Air Services

3538 Aldino Rd
Churchville, MD 21028

Maintenance Log

N3665W

May 18, 2004 Tach 2271.14

Description of Work Done: Engine

- 1) Inspected Engine I.A.W. Piper Inspection report
- 2) Changed oil with 10 qts. Aeroshell 100 plus
- 3) Replaced oil filter with CH48110-1
- 4) Cleaned and Gapped spark plugs
- 5) Compression checked #1 75/80 #2 79/80 #3 78/80 #4 79/80 #5 77/80 #6 78/80
- 6) Cleaned oil screen
- 7) Replaced Valve cover gaskets with SLR75906
- 8) Ground ran leak checked, OPS check OK.

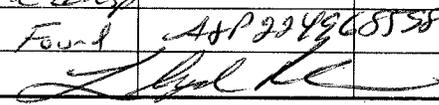
Series	
that this [redacted] has been inspected	
in accordance with a [redacted] inspection and was found	
to be in [redacted] condition	
Signature	363526
AC total time	2271.14
AC HOBBS	3845.57
ENG. S.M.O.H.	84.14
Kevin St. Clair Hess ABP 2136661601A	
License Number	

near the Endorsement of a
and his Rating and
ST be shown.

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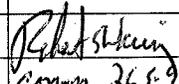
ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
02 OCT 8			Drained oil and removed oil Filter.		
2379	4		Rechecked with 12 @ 50 of Amsoil 100 and 1 bottle of Lycoming additive. Rechecked cleaned and reinstalled all spark plugs. Check Compression. All cylinders were 7/80 or better. Replaced left magnets with new stick mag. Replaced air Filter. I certify that this Eng has been Inspected in 100 hr Insp and was found to be in satisfactory condition.	 AIP 224968558	
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
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			Total to Date		

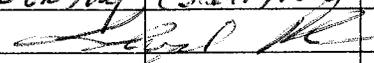
ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
13 Dec 04	2	12	DRAINED OIL, Replaced oil Filter Replaced w/ PN CH48110-1 Reserviced with 10 qts Aerostoll 15W-50 Lot # WRLPA 209959 / 07164	 Conn 265-91-2559	
20 Feb 05	2	49.5	Tach. Removed cleaned and Reinstalled all Valve Plugs. Checked Comp. on all cylinders. All cylinders were 79% or better. Replaced Air Filter. Serviced Fuel Filter removal and Reinstalled oil cooler & Filter Reapplying		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown. (cont →)	
			Brought Forward		
			Total to Date		

ENGINE LOG

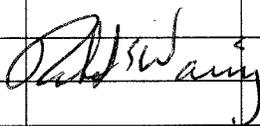
Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
COOT →			oil cooler Elbow. Replaced Heat Muff on left Exhaust Stack. Replaced oil Filter. Removal cleaned and Reinstalled oil suction screen. Drained oil and Reserviced with AEWshell 15W50 (11 qts). Checked for leak check was (OK). I certify that this Engine was Inspected I/P/w a 100 Hour Insp? and was Found to be in Airworthy Condition.	 APR 20 1958	
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
8/13/05	2	34	Changed Oil - Removed and Replaced Oil Filter CH48116-1 - Inspected and Cleaned Oil Screen - Filled w/10 qts Gerixel 15W-50. - Ground Run, Leakechecked, OK	 Comm 26591889	
			Page Total		
			Brought Forward		
			Total to Date		

All Repair Data Must Bear the Endorsement of a
 Certificated Mechanic, and his Rating and
 Certificate Number MUST be Shown.

Harford Air Services
 3538 Aldino Rd
 Churchville, MD 21028
 410-836-2828

Maintenance Log
N3665W

January 26, 2006 Tach: 2635.04

Description of Work Done: Engine

- 1) Inspected engine I.A.W. Piper inspection report.
- 2) Changed oil with 10 quarts Aeroshell W80. *15450*
- 3) Changed oil filter with CH48110-1.
- 4) Replaced mags gaskets on left mag P/N 62224, LW12681 and re-timed mags.
- 5) Compression checked: #1 76/80, #2 78/80, #3 79/80, #4 78/80, #5 75/80, #6 78/80.
- 6) C/W 99-04-04 slick impulse due 2685.04.
- 7) Ground ran, leak checked, OPS check OK..

Total to Date

I certify that this *Engine* has been inspected
 and found in accordance with a *FAA* inspection and was found
 to be in *airworthy* condition.

Serial No.	3999-18
Inspection Date	Jan 26 2006
AC total time	2635.04
Engine	MC HOBBS
Signature	ENG. S.M.O.H. <i>488:09</i>
Address	Kevin St. Clair Hess A&P 213666160 BA
Phone	<i>203 St. Clair Hess A&P 213666160</i>
License Number	

Bear the Endorsement of a
 Licensed Pilot and
 a U.S. Citizen

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
5/30/06	Tack	2673.51	1) Changed oil with 10qt Aeroshell 15W50 2) Changed oil Filter with #48110-1 3) Ground run, leak checked, OPS check OK Jim S. the ACP 21366660		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

Harford Air Services
3538 Aldino Rd
Churchville, MD 21028
410-836-2828

Maintenance Log
N3665W

July 13, 2006 Tach: 2692.0

Description of Work Done: Engine

- 1) Inspected engine I.A.W. Piper inspection report.
- 2) Changed oil with 11 quarts Aeroshell 15W50.
- 3) Changed oil filter with CH48110-1.
- 4) Compression checked: #1 78/80, #2 76/80, #3 78/80, #4 76/80, #5 73/80, #6 79/80.
- 5) Cleaned and gapped spark plugs replaced gaskets with M674.
- 6) Ground ran, leak checked, OPS check OK.

I certify that this Engine has been inspected
in accordance with a Boat inspection and was found
to be in airworthy condition
Date July 13, 2006 NO total time 4056.12
AC tach 2692 NO HOBBS
ENG. total time 4266.7 ENG. S.M.O.H. 505
Kevin St. Clair Hess A&P 213666160 IA
Kevin St. Clair Hess A&P 213666160 IA

ENGINE LOG

Harford Air Services Maintenance Log
 3538 Aldino Rd N3665W
 Churchville, MD 21028
 410-836-2828
 June 18, 2008 Tach: 2935.6

Description of work done: Engine

- 1) Changed oil with 12 qts. Aeroshell 15W50.
- 2) Changed oil filter with CH48110-1.
- 3) Cleaned and gapped spark plugs – replace M674 gaskets.
- 4) Compression checked: #1 76/80, #2 75/80, #3 74/80, #4 74/80, #5 75/80, #6 76/80.
- 5) Replaced impulse coupling M3635 I.A.W. AD 99-04-04 timed to engine.
- 6) Ground ran, leak checked, OPS check OK.

	Certificate Number
Total to Date	

2008

I certify that this Engine has been inspected in accordance with a Annual inspection and was found to be in airworthy condition

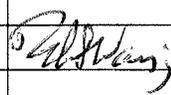
Date June 18, 2008 A/C total time 4299.72
 A/C Tach 2935.6 A/C HOURS NA
 ENG. total time 4510.3 ENG. B.M.O.H. 748.6
 Kevin St. Clair Hess A&P 32336541A

Kevin St. Clair Hess A&P 32336541A

license number

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
225008	2	49.71	Changed oil, replaced filter Serviced w/ 7 qts of 15w-40 Leaks checked - OK		CD Num 265912509
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

Harford Air Services Maintenance Log

3538 Aldino Rd
Churchville, MD 21028 N3665W
410-836-2828

May 11, 2009 Tach: 3047.52

Description of Work Done: Engine

- 1) Changed oil with 12 quarts Aeroshell 15W50.
- 2) Changed oil filter with CH48110-1.
- 3) ~~Cleaned and gapped spark plugs replaced M674 gaskets.~~
- 4) Compression checked: #1 72/80, #2 75/80, #3 74/80, #4 74/80, #5 75/80, #6 77/80.
- 5) Replaced 12 spark plugs with UREM38E.
- 6) Ground ran, leak checked, OPS check OK.

I certify that this Engine has been inspected in accordance with a Annual inspection and was found to be in airworthy condition

Date May 11, 2009 ~~NO~~ total time 4411.64

A/C Tach 3047.52 ~~NO~~ HOBBS N/A

ENG. total time 4622.22 ENG. P.M.O.H. of a 860.52

Certificate No. 32336541A

Total to Date

ial No. _____

Signature

License Number

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
10/15/09			Change oil & replace filter 48110-1 Clean Swamp plugs bottom to top 9 qts Aeroshell 15-50 TACH 3100.66 Runup - no leaks 3100.73	<i>[Signature]</i>	
				341526203	

ENGINE LOGBOOK ENTRY

N 3665W Lycoming O-540-E4B5 S/N L-22558-40A

Date: February 2, 2010 Tach: 3104.60

Removed failed right magneto and replaced with new Slick 6350 S/N 08112361. Ground run up and leak check ok. All work was performed in accordance with the manufactures recommended procedures.

[Signature]
David C. Cramer

A&P 3306549 Work Order No. 2010-1-9

ENGINE LOGBOOK ENTRY

N 3665W S/N L-22558-40A

Date: December 18, 2013 Tach: 3273.68 TET: 4848.38 TSMOH: 1086.68

Drained oil, replaced with 12qts. Aeroshell 15W50 oil. Oil filter removed, opened, and inspected, nothing found. Installed new oil filter. Replaced air filter. Cleaned, gapped, and tested spark plugs. Magneto timing checked. Visual inspection of engine OK. Compression as follows #1 75/80, #2 72/80, #3 75/80, #4 76/80, #5 75/80, #6 75/80. Run up and leak check OK. All work performed in accordance with manufacturers recommended procedures. AD summary updated to current status. I certify that I have inspected this engine in accordance with an Annual Inspection and found it to be in an Un-Airworthy Condition because AD 2012-19-01 is due on the engine crankshaft,

David C. Cramer



A&P/IA 3306549 Work Order #2013-12-1

License
Number

ENGINE LOGBOOK ENTRY

N 3665W S/N L-22558-40A

Date: January 21, 2014 Tach: 3273.68 TET: 4848.38 TSMOH: 1086.68

Removed propeller and cleaned crankshaft flange and front bore. Inspected flange and bore for evidence of cracks, corrosion, and general condition. No discrepancies noted at this time. Performed crankshaft flange run-out check. Run-out was found to be well within tolerances. Reinstalled propeller using new O-ring. Torqued and safety wired bolts. Ground run up and leak check completed. Power runs completed satisfactorily. This work was done for the purpose of issuing a Ferry Permit to relocate the aircraft to replace the crankshaft. There was no accident or propeller strike at this time.

David C. Cramer



A&P 3306549 Work Order #2014-1-3

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BUD FARR AIRCRAFT SERVICE**East Troy Municipal Airport (57C)****Office: S.92 W.22440 Henneberry Ave. Big Bend, WI. 53103
(262) 662-5404****ffarr1@wi.rr.com****N3665W Lycoming O-540-E4B5 S/N L-22558-40A 07-06-2014
(Crankshaft Replacement for AD compliance and subsequent Reassembly to Current Specifications)****TACH: 3280.0 TTE: 4854.7 TSOH: 1093.0 TS Crankshaft Install 00.0**

Installed freshly certified Crankshaft M03 (S/N R48459-1) from Rick Romans, Tulsa, OK on w/o 48459. The following parts were obtained from Aircraft Specialties Services Tulsa, OK on Invoice 139268: 71569-1 Seal & Gasket Set, SL13884A M03 and SL16711A M03 Main Bearings, AEL13521M003 Connecting rod Bearings, new SL75061 Rod Bolts and SL12186 Nuts, SL-STD-1821 Hoses, SL-STD-2209 Screw and Lock-Plate, SL69603 Induction Hoses.

The Camshaft and associated parts were inspected and found to be in excellent condition and suitable for continued service. The tappet bodies were carefully installed in their original positions in relation to the camshaft lobes. The Magnetos were inspected and installed with new SL-12136 Drive Cushions. The Spark Plugs were cleaned and gapped. Entire Exhaust System Overhauled and Certified by Dawley Aviation, Burlington, WI. CRS # NJ5R069N on w/o 110314.

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

The Crankshaft Gear complies with S/B 475C, S/B 505 Excluding paragraph 6. The requirements of paragraph 6 (AD-91-14-22) specify that the gear has been assembled to the crankshaft in accordance with the procedure listed in the body of S/B 475C, that a New Bolt was fitted, the final bolt torque is 204 inch/lbs and that the Lock-plate Tab has been properly bent. Note* The required assembler's signature and certificate number appears at the end of this report.

I certify that the REPAIR procedures performed on this ENGINE are in accordance with the latest revisions of Lycoming Service Letters, Service Bulletins and Service Instructions and that the requirements of AD 2012-19-01 have been complied with.

This ENGINE has been tested and found to be AIRWORTHY in accordance with the scope and detail of FAR 43. App.(d) per the terms of an ANNUAL Inspection.

F.E. FARR  A&P 399405006 IA

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07/01/2015 Piper PA 32/260

N3665W

Annual Inspection

TACH: 3299.47

TTE: 4874.17

TSOH: 1112.47

TS Crank Install: 19.47

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nber

ADs checked through bi-weekly 2015-13. Performed a compression check (1)72/80 (2)72/80 (3)62/80 (4)73/80 (5)72/80 (6)72/80. Cleaned, inspected, and rotated spark plugs. Inspected exhaust system and heater muff. Inspected engine mount tubing for cracks or damage and found none. Checked engine, carburetor, and fuel system bolts and fasteners for security. Lubed all controls. Ran on ground and found satisfactory.

I certify that this **Engine** has been inspected at this date and time IAW the scope and detail of FAR 43 app. (d) per the terms of an **Annual** inspection and that it has been found to be in **AIRWORTHY** condition.

A&P 3080909IA-----

Adam J. Valencic

12/4/15 TACH 3340.1

N3665W

CHANGED THE OIL AND FILTER. SERVICED WITH PH20W50XC OIL. SOLVENT WASHED THE ENGINE. INSPECTED ENGINE AND TORQUED ALL FUEL AND OIL LINES AND HOSES. INSTALLED A NEW EZ HEAT ENGINE HEATER P/N 540+. LUBED ENGINE CONTROLS. DRESSED PROP BLADES AND INSPECTED HUB AND SAFETY WIRE ON BOLTS. FILTER AND LEAK CHECKS OK.

GORDON J. SMITH AP3454738

5/4/16 TACH 3356.4

TSOH 1169.4 ENG TT 4931.1

N3665W

D

ANNUAL INSPECTION COMPLETED AT THIS TIME. CHANGED THE OIL AND FILTER. CLEANED THE OIL SUCTION SCREEN. SERVICED WITH PH20W50XC OIL. CHECKED COMPRESSIONS AND ALL 70/80 AND ABOVE EXCEPT #5. LAPPED THE #5 CYLINDER INTAKE AND EXHAUST VALVES WITH CYLINDER INSTALLED. INSTALLED NEW 60009 AND MS13997-3 KEEPERS. RE-CHECKED COMPRESSION AND 72/80 AFTER LAPPING. CLEANED, GAPPED AND TESTED THE SPARK PLUGS. DISASSEMBLED, CLEANED AND LUBED THE LH MAG DISTRIBUTOR AND IMPULSE COUPLING. INSPECTED THE COUPLING AS PER AD99-04-04. INSTALLED NEW POINTS AND DIST BRUSH P/N A-13081 AND AM-3215. SET INTERNAL TIMING AND TIMED TO ENGINE. ADJUSTED THE RH MAG TIMING. INSTALLED A NEW BA3 AIR FILTER ELEMENT. CLEANED THE CARB INLET SCREEN. DRAINED AND FLUSHED THE CARB BOWL. SOLVENT WASHED THE ENGINE. FILTER AND LEAK CHECKS OK.

GORDON J. SMITH AP34547381A

8-5-2016 TACH 3380.64

CHANGED OIL (PHILLIPS X-C 20W-50 AND OIL FILTER CH48110-1)
ENG. RUN + LEAK TEST OK. *Earl P. Cherry* A+P 1544573

2-26-2017 TACH 3423.22

DRAINED OIL, REPLACED WITH 12 QTS (PHILLIPS XC 20W-50). OIL FILTER REMOVED.
INSTALLED NEW OIL FILTER CH 48110-1. ENGINE GROUND RUN + LEAK TEST OK.
Burt L. Vann A+P 3190243

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