

Engine Record General Information

Manufacturer Lycoming Model IO-360-L2A

Serial L-27603-51A Type Certificate _____

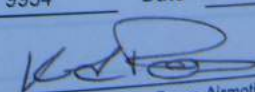
This engine is currently installed in aircraft: N992WW, s/n 17280717

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at 2000 hours

DATE	TAKE TIME	FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>MAKE _____ MODEL _____</p> <p>Total Time _____ Hours _____</p> <p>Lycoming 2,197.30 IO-360-L2A S/N L-27603-51A</p> <p>Time Since Major Overhaul _____ Hours</p> <p>ZERO</p> <p>This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul as per the manufacturer's current overhaul manual 60294-7 A detailed parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance releases in this logbook.</p> <p>Installed four (4) new Lycoming cylinder kits P/N 05K21104. Installed new ECI cam kit P/N AEL-100. Installed two (2) new Slick magnetos left P/N 4371, S/N 06030603 and right P/N 4371, S/N 06030581. Installed new Lycoming fuel pump P/N LW15473. Supplied servo P/N 2576536-2, S/N 70131807, rebuilt by Precision Airmotive LLC. Installed flow divider P/N 2576564-1, S/N 0277943, newly overhauled by Precision Airmotive LLC. Installed new fuel nozzles P/N 2524864-2, new from Precision Airmotive LLC. Supplied starter P/N PM2401, S/N 85813408, new from Lamar Technologies. This engine was test run, for not less than two hours, in an FAA approved test cell and meets specifications. A complete listing of all parts installed in this engine is included with this entry. -----End-----</p> <p>All applicable airworthiness directives and related factory publications have been checked for compliance at this date. See list in this log book. This engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of repair are on file at this repair station under:</p> <p>Work Order # 9934 Date 4/13/2006</p> <p>Poplar Grove Airmotive, Inc. Poplar Grove Airport, Poplar Grove, IL FAA Approved Repair Station #YYBR664L</p> <p> Signed for Poplar Grove Airmotive, Inc.</p>

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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YEAR	DATE
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MAKE Lycoming MODEL IO-360-L2A S/N L-27603-51A
 Total Time 2,197.30 Hours Time Since Major Overhaul ZERO Hours

This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul as per the manufacturer's current overhaul manual 60294-7. A detailed parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance releases in this logbook.

Installed four (4) new Lycoming cylinder kits P/N 05K21104. Installed new ECI cam kit P/N AEL-100. Installed two (2) new Slick magnetos left P/N 4371, S/N 06030603 and right P/N 4371, S/N 06030581. Installed new Lycoming fuel pump P/N LW15473. Supplied servo P/N 2576536-2, S/N 70131807, rebuilt by Precision Airmotive LLC. Installed flow divider P/N 2576564-1, S/N 0277943, newly overhauled by Precision Airmotive LLC. Installed new fuel nozzles P/N 2524864-2, new from Precision Airmotive LLC. Supplied starter P/N PM2401, S/N ~~85813408~~ 8274103, new from Lamar Technologies. This engine was test run, for not less than two hours, in an FAA approved test cell and meets specifications. A complete listing of all parts installed in this engine is included with this entry. -----End-----

All applicable airworthiness directives and related factory publications have been checked for compliance at this date. See list in this log book. This engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of repair are on file at this repair station under:

Poplar Grove Airmotive, Inc. Work Order # 9934 Date 4/13/2006
 Poplar Grove Airport, Poplar Grove, IL
 FAA Approved Repair Station #YYBR664L


 Signed for Poplar Grove Airmotive, Inc.

MANUFACTURE	AD #
66-20-04	
73-23-01 F	
75-08-09 I	
75-09-15	
78-23-10	
79-04-05	
90-04-06	
92-12-05	
96-09-10	
96-23-03	
97-15-11	
#98-02-0	
98-17-11	
02-26-01	
03-14-01	
#04-10-	
Next du	
#05-19-	
Popla	
FAA-C	

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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MANUFACTURER: Lycoming ENGINE MODEL: IO-360-L2A S/N: L-27603-51A WO# 9934

AD #	DESCRIPTION	COMPLIANCE STATUS
66-20-04	oil filter adapter gasket	N/A by engine model
73-23-01 R4	piston pin P/N 69650	N/A to pin P/N
75-08-09 R3	oil pump drive shaft with woodruff key	N/A has drive shaft with flats
75-09-15	fuel flow dividers with P/N "-1"	N/A by P/N
78-23-10	fuel servo	N/A by P/N
79-04-05	fuel servo	N/A by P/N
90-04-06R1	external oil line	N/A has fixed pitch prop
92-12-05	piston pin P/N LW-14077	N/A by date of purchase of new pins installed
96-09-10 C	oil pump	P/CW IAW SB524
96-23-03	fuel pump	N/A to new fuel pump installed
97-15-11	piston pin	N/A to new pins installed
#98-02-08	crankshaft	C/W IAW SB 505B and SB 530A; has PID stamp
98-17-11 C	crankshaft	N/A by date of original manufacture
02-25-01	injector lines	C/W by inspection I/AW S.B. 342E
03-14-03	rotary fuel pump	N/A has diaphragm-type pump
#04-10-14	crankshaft gear	C/W IAW Lycoming SB 475C
Next due after prop strike or sudden stoppage.		
#05-19-11	failure of crankshaft	N/A by crankshaft S/N

Poplar Grove Airmotive, Inc.

FAA-Certified Repair Station YYBR664L



Date: 4/13/2006

Date: 06/14/2006

Hobbs: 4773.4 hrs.
Engine (SMOH): 0.0 hrs.

TTAF: 3751.2 hrs. (TACH)
Engine (TT): 2197.3 hrs.

YEA

DAT

- Installed this overhauled engine Lycoming Model IO-360-L2A, S/N L-27603-51A (See Poplar Grove WO # 9934 for details) on Cessna 172R S/N 17280717, N992WW. Engine time: 0.0 hrs. SMOH, 2197.3 hrs. Total Time.
- Installed overhauled propeller McCauley Model 1C235/LFA7570, S/N RI-136 (See APS of Ohio WO # OHR-8274 for details). New hardware was used to install overhauled propeller. Propeller time: 0.0 hrs. SMOH, 3910.6 hrs. Total Time.
- Engine mount was cleaned, inspected and repainted as necessary before new engine was installed.
- Installed new Throttle control and Mixture control cables (see engine parts list for p/n's).
- Installed the following parts (see engine change parts list for complete list and P/Ns): New engine mounts, bolts and nuts; New flexible fuel and oil lines; Reconditioned muffler P/N 9954100-9, (s/n AWI 93501); Tempest vacuum pumps, Model # AA3215CC (s/n 35853), and Model # AA3216CW (s/n 39482); overhauled alternator, P/N 9910591-11RX (s/n A-174426).
- Engine serviced with 8 qts. of Phillips 20W50 X-C Mineral Oil.
- C/W AD 2002-26-01 (issued 1-31-2003) paragraph(c) by inspecting fuel line/support clamps i.a.w. Lycoming 36 342E date May 12, 2004 (Due again in 100 hrs.)
- Engine was ground test run, checked for leaks and Idle speed/mixture set I/A/W Cessna service manual.
- Aircraft was test flown, and determined to be in an airworthy condition.

Signed:  A2808263 IA

Date: 06/14/2006

Hobbs: 4773.4 hrs.
Engine (SMOH): 0.0 hrs.

TTAF: 3751.2 hrs. (TACH)
Engine (TT): 2197.3 hrs.

- Performed annual inspection on this engine s/n L-27603-51A i.a.w. Cessna 172R M.M. and applicable Textron Lycoming service manual. (See inspection sheet/checklist for more detail). As of this date, this engine has been removed from Western Michigan's Progressive Maintenance System and placed on a 100 hr./Annual inspection system.

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

Signed:  282 4159 IA

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE: 12/22/2006

HOBBS: 4813.2
ENG SMOH: 30.9

TTAF TACH: 3782.1
ENG TT: 2228.2

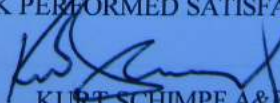
Drained oil sump and serviced engine with 8qts Philips 20W50 Mineral oil and CH48111-1 oil filter. Old filter was cut and inspected for foreign material. no foreign material found. Run-up/leak check satisfactory.

Signed

 AP372983086IA

DATE 6-27-07 TACH 3807.1 TSMOH 55.9 TOTAL TIME 2253.2 N992WW

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. REPAIRS AND MAINTENANCE ARE AS FOLLOWS:
 COMPRESSIONS: 1- 76/80, 2- 76/80, 3- 76/80, 4- 76/80, 5- 76/80, 6- 76/80. OIL AND FILTER CHANGE. INSPECT OIL FILTER. INSTALL NEW CH48111-1 FILTER AND SERVICE ENGINE WITH 8 QTS. OF AEROSHELL 15W-50 OIL. ALL AD'S CURRENT SEE AD LIST. WASH DOWN ENGINE, GROUND RUN, OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END

 A-P292640097IA
 KURT SCHIMPF A&P 292640097IA
 SELECT AIRCRAFT SERVICE

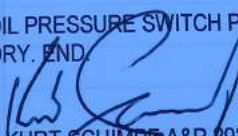
YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE 6-27-07

TACH 3807.1

N992WW

C/W AD 00-04-01 BY R/R OIL PRESSURE SWITCH P/N 83278. OPERATIONAL AND LEAK CHECK SATISFACTORY. END.


KURT SCHIMPF A&P 2926400971A
SELECT AIRCRAFT SERVICE

DATE 6-13-08 TACH 3852.1 TSMOH 100.9 TOTAL TIME 2298.2 N992WW

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. REPAIRS AND MAINTENANCE ARE AS FOLLOWS:
 COMPRESSIONS: 1- 74/80, 2- 74/80, 3- 74/80, 4- 76/80 OIL AND FILTER CHANGE. INSPECT OIL FILTER. INSTALL NEW CH48111-1 FILTER AND SERVICE ENGINE WITH 8 QTS. OF AEROSHELL 15W-50 OIL. CLEAN AND LUBE INDUCTION AIR FILTER. ADJ. LH MAG. IGNITION TIMING, INST NEW MAG GASKETS 1 EA. P/N 62224, 649960. C/W SB08-73-01 BY INSP OF FUEL SERVO HEX PLUG. ALL AD'S CURRENT SEE AD LIST. GROUND RUN, OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END


KURT SCHIMPF A&P 2926400971A
SELECT AIRCRAFT SERVICE

SERVICE

Entries must be endorsed with Name, Tests, Repairs and Alterations
Technician or Repair Facility. (See back pages for other specific entries.)

DATE 6-26-09

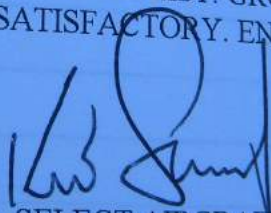
TACH 3910.7

TSMOH 159.5

TT 2356.8

N992WW

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A
ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY
CONDITION. COMPRESSIONS ARE AS FOLLOWS 1) 76/80, 2) 78/80, 3) 76/80, 4) 78/80.
MAINTENANCE AND REPAIRS ARE AS FOLLOWS: R/I INDUCTION AIR FILTER
AFTER CLEAN AND RE-TREATMENT. R/I FUEL INJECTORS AFTER CLEAN AND
TEST BY PAA. ALL AD'S CURRENT SEE AD LIST. GROUND RUN. OPERATIONAL
AND LEAK CHECK PERFORMED SATISFACTORY. END



AI 2426400971A

SELECT AIRCRAFT SERVICE

YEAR

DATE

DATE	RECORDING TIME	TICKETS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE 5-29-09

HOURS 3906.9

N9921W

OIL AND FILTER CHANGE. INSPECT OIL FILTER. INSTALL NEW CHARILL-1 OIL FILTER AND SERVICE ENGINE WITH 8 QTS. OF AEROSHELL 15W-50 OIL. R/I MAGNETOS AFTER COMPLIANCE WITH SB08-74-01R1 MAGNETO P/N 4771, S/N 06030581, 06030603, W.O.# 40202. R/I FUEL SERVO AFTER REPAIR P/N 2576536-2, S/N 70131807, W.O.# 40202. SEE 8130-3 FOR MORE DETAILS. C/W AD09-02-03 BY REPLACEMENT OF FUEL SERVO HEX PLUG GASKET P/N 2577258. GROUND RUN AND LEAK CHECK SATISFACTORY. END

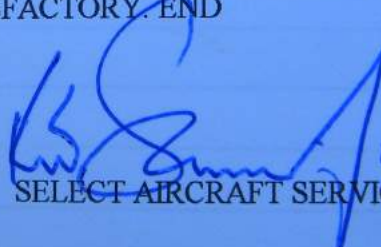
KW Smith
A-P2426400971A
SELECT AIRCRAFT SERVICE



YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE 7-2-10 TACH 3969.1 TSMOH 217.9 TT 2415.2 N992WW

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. COMPRESSIONS ARE AS FOLLOWS 1) 76/80, 2) 76/80, 3) 76/80, 4) 78/80 MAINTENANCE AND REPAIRS ARE AS FOLLOWS: R/I INDUCTION AIR FILTER AFTER CLEAN AND RE-TREATMENT. R/R SPARK PLUGS 8 EA. P/N REM38E. ALL AD'S CURRENT SEE AD LIST. GROUND RUN. OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END

 A-P2626410971A
SELECT AIRCRAFT SERVICE

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
	DATE 8-5-11	TACH 34.7	TSMOH 258.4	TT 2455.7 N992WW
<p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. COMPRESSIONS ARE AS FOLLOWS 1) 79/80, 2) 77/80, 3) 77/80, 4) 76/80. MAINTENANCE AND REPAIRS ARE AS FOLLOWS: SERVICE INDUCTION AIR FILTER. ADJUST RH AND LH MAGNETO TIMING. R/R FLEXIBLE ENGINE BAFFLE P/N VISR3B. ALL AD'S CURRENT SEE AD LIST. GROUND RUN. OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END</p> <p style="text-align: right;">  ArrP 28264 00971A SELECT AIRCRAFT SERVICE </p>				

DATE	TACH TIME	FLIGHT	TIME IN SERVICE	Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE 5-23-12	TACH 54.1			N992WW OIL AND FILTER CHANGE. INSPECT OIL FILTER. INSTALL NEW CH48111-1 OIL FILTER AND SERVICE ENGINE WITH 8 QTS. OF AEROSHELL 15W-50 OIL. R/R OIL COOLER P/N 8001588 S/N 4653015. GROUND RUN AND LEAK CHECK SATISFACTORY. END.  SELECT AIRCRAFT SERVICE A-P2426400971A
DATE 9-7-12	TACH 72.2		TSMOH 295.9	TT 2493.2 N992WW I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. COMPRESSIONS ARE AS FOLLOWS 1) 76/80, 2) 72/80, 3) 75/80, 4) 74/80. OIL AND FILTER CHANGE. CUT & INSP. OIL FILTER. INST. NEW CH48-111-1 OIL FILTER. SERVICED ENGINE WITH 8 QTS. CUSTOMER SUPPLIED AEROSHELL 15W-50 OIL. MAINTENANCE AND REPAIRS ARE AS FOLLOWS: R/I INDUCTION AIR FILTER AFTER CLEAN AND RE-TREATMENT. R/R ALL 4 ROCKER COVER GASKETS P/N 75906. ALL AD'S CURRENT SEE AD LIST. GROUND RUN. OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END.  SELECT AIRCRAFT SERVICE A-P2426400971A

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and <small>Entries must be endorsed with Name, Rating and Certificate Technician or Repair Facility. (See back pages for other spe</small>
DATE 10-1-13	TACH 86.5	TSMOH 310.2	TT 2507.5	N992WW
<p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. COMPRESSIONS ARE AS FOLLOWS 1) 76/80, 2) 77/80, 3) 77/80, 4) 76/80. OIL AND FILTER CHANGE. CUT & INSP. OIL FILTER. INST. NEW CH48111-1 OIL FILTER. SERVICED ENGINE WITH 8 QTS. CUSTOMER SUPPLIED AEROSHELL 15W-50 OIL. MAINTENANCE AND REPAIRS ARE AS FOLLOWS: CLEAN AND SERVICE INDUCTION AIR FILTER. ALL AD'S CURRENT SEE AD LIST. GROUND RUN. OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END</p>				
<p style="text-align: center;">  AP 3661540 1A SELECT AIRCRAFT SERVICE </p>				

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE 12-1-14 TACH 103.7 TSMOH 327.4 TT 2524.7 N992WW

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. COMPRESSIONS ARE AS FOLLOWS 1) 77/80, 2) 77/80, 3) 75/80, 4) 77/80. OIL AND FILTER CHANGE. CUT & INSP. OIL FILTER. INST. NEW CH48111-1 OIL FILTER. SERVICED ENGINE WITH 8 QTS. CUSTOMER SUPPLIED AEROSHELL 15W-50 OIL. MAINTENANCE AND REPAIRS ARE AS FOLLOWS: CLEAN AND SERVICE INDUCTION AIR FILTER. R/R AIRCRAFT MUFFLER WITH NEW P/N K1754001-23, INST. WITH NEW EXHASUST GASKETS P/N 4 EA. 77611. ALL AD'S CURRENT SEE AD LIST. GROUND RUN. OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END

Ⓡ install changes.

MS Smith A-P 36615401A
 SELECT AIRCRAFT SERVICE

DATE 6-10-15 TACH 107.3 N992WW

OIL AND FILTER CHANGE. INSPECT OIL FILTER. INSTALL NEW CH48111-1 OIL FILTER AND SERVICE ENGINE WITH 8 QTS. OF EXXON ELITE 20W-50. GROUND RUN AND LEAK CHECK SATISFACTORY. END.

MS Smith A-P 36615401A
 SELECT AIRCRAFT SERVICE

YEAR _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and <small>Entries must be endorsed with Name, Rating and Certification of Technician or Repair Facility. (See back pages for other specifications)</small>
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DATE 1-12-16 TACH 110.3 TSMOH 334.0 TT 2531.3 N992WW

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. INSPECTED IAW FAR 43 APPENDIX D. COMPRESSIONS ARE AS FOLLOWS 1) 75/80, 2) 75/80, 3) 74/80, 4) 74/80. OIL AND FILTER CHANGE. CUT & INSP. OIL FILTER. INST. NEW CH48111-1 OIL FILTER. SERVICED ENGINE WITH 8 QTS. OF AEROSHELL 15W-50 OIL. MAINTENANCE AND REPAIRS ARE AS FOLLOWS: CLEAN AND SERVICE INDUCTION AIR FILTER. SEL-73-05 N/A BY PUMP P/N. ALL AD'S CURRENT, SEE AD LIST. GROUND RUN. OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END

KS Schimpf AP 3661540 IA
 KURT SCHIMPF AP 3661540 IA
 SELECT AIRCRAFT SERVICE



ENGINE MAINTENANCE RECORD

OLD LOG BOOK
Book #1 of #2

17280717

N992WW

~~17280060~~

~~A979BE~~

AIRCRAFT SERIAL AND REGISTRATION

~~17280510~~

77984604

ENGINE MODEL AND SERIAL

10-360-L2A L27603-51A

INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations.

NOTE: Record Service Bulletins and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record.

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.
717/323-6181

ENGINE SERIAL NUMBER L-27603-S1A

IN SERVICE DATE 15 10 98 ENG. 0
DAY MO. YEAR TT.

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

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MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
1998			

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19 <u>98</u>	HOURS		

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **TEXTRON LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Administration Directives and Textron Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL IO-360-L2A SERIAL NO. L-27603-51A

DATE 11/5/97 M. J. Folk
(AUTHORIZED REPRESENTATIVE)

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

FORM NO. 722-B (Rev. 3/94)

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
12/18 0401	0	0	Engine model IO-360-L2A, S/N <u>L-27103-51A</u> has been installed on aircraft # <u>17280510</u> . This engine service with Aeroshell oil 100, SAE50, mineral oil.	<p align="center">FAA APPROVED UNDER FAR 21 SUBPART J The Cassini Aircraft Co. Delegation Option Manufacturer CC-1</p> <p align="right"><i>Michael H. Kelly</i> Executive Engineer By <i>Mike Sharp</i> Mike Sharp</p>
10/21	22.0 (HOBS)	17.3 (TACH)	INITIAL OIL CHANGE - DRAINED OIL, INSTALLED NEW OIL FILTER, CUT OPEN OLD FILTER AND INSPECTED FOR METAL CONTAMINATION - CHECKED O.K., INSTALLED NEW OIL QUICK DRAIN VALVE # 1951-5, SERVICED ENGINE WITH 9055 20W50 PHILLIPS MINERAL OIL. PERFORMED INITIAL 25HR. VISUAL ENGINE INSPECTION, INSTALLED NEW EGT PROBE P/N TE 1095-02. ENGINE WAS GROUND TEST RUN, CHECKED FOR OIL LEAKS, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	<p><i>Steve Berger</i> IA # 2006721</p>

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
11/30	99.6	6 (HOBBS)	PERFORMED ANNUAL INSPECTION ON ENGINE IN ACCORDANCE WITH TEXTRON LYCOMING SERVICE MANUAL (SEE INSPECTION SHEETS).	
	78.2	2 (TACT)	AS OF THIS DATE THIS ENGINE HAS BEEN PUT ON A PROGRESSIVE MAINTENANCE SYSTEM.	
			I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	
				Steve Berger IA # 2006729

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1999 6/24	325.1	(HOURS)	C/W AD 93-02-05 (ISSUED 6-14-93) PARAGRAPH (C) BY REINSPECTING FUEL INJECTION FUEL LINES IN ACCORDANCE WITH TEXTRON LYCOMING SERVICE BULLETIN # SB342B SUPPLEMENT, DATED 4-27-99, (DUE EVERY 100 HRS.)	Steve Berger IA # 2006729
	257.0	(TACH)		
6/25	399.7	(HOURS)	C/W AD 93-02-05 (ISSUED 6-14-93) PARAGRAPH (C) By inspecting Fuel Injector Fuel Lines in Accordance with Textron Lycoming Service Bulletin # SB342B Supplement, DATED 4-27-99. (Due Every 100hrs.)	M.E. Swan 38692191AP
	316.5	(TACH)		

MAINTENANCE RECORD

DATE 19 <u>99</u>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
<u>7/29</u>	475.6 (HOBBS) 376.2 (TACH)		C/W AD 93-02-05 (ISSUED 6-14-93) PARAGRAPH (C) BY REINSPECTING FUEL INJECTION FUEL LINES IN ACCORDANCE WITH TEXTRON LYCOMING SB #SB 342B SUPP. DATED 4-27-99. (DUE EVERY 100 HRS)	<u>D. O. Maltic</u> 383928262AP
<u>8/26</u>	547.1 (HOBBS) 433.5 (TACH)		C/W AD 93-02-05 (ISSUED 6-14-93) PARAGRAPH (C) BY REINSPECTING FUEL INJECTION FUEL LINES IN ACCORDANCE WITH TEXTRON LYCOMING SERVICE BULLETIN #SB 342B SUPPLEMENT, DATED 4-27-99, (DUE EVERY 100 HRS.) C/W CESSNA SB# 92-930 BY REMOVING AND INSPECTING BOTH SLICK MAGNETOS MODEL #4371 S/N's 97091331 + 97091432 I/A/W SLICK SB#2-80. (DUE EVERY 500 HRS.)	<u>Steve Bergen</u> IA #2006729

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19 99				
9/22	624.2 (HOBBS)		<p>Signature: _____ DATE: 9-22-99 HOBBS: 624.2 hrs TT ENGINE: 496.3 hrs TT TACH</p> <p>CMW AD 93-02-05 (issued 6-14-93) paragraph (c) by reinspecting fuel injection fuel lines in accordance with Textron Lycoming Service Bulletin #SB 342B Supplement, dated 4-27-99. (Due Every 100 hrs.)</p> <p>Signature: <u>Scott Burt</u> IA # 36866681</p>	
11/5	725.5 (HOBBS)		<p>CMW AD 93-02-05 (issued 6-14-93) paragraph (c) by reinspecting fuel injection fuel lines in accordance with Textron Lycoming Service Bulletin #SB 342B Supplement, dated 4-27-99. (Due Every 100 hrs.)</p>	<p><u>Steve Berger</u> IA # 2006729</p>

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
30			LAMAR	
31	809	4 (HOBBS)	REMOVED BAD STARTER, CESSNA P/N 31B22207 SN 8500711 AND INSTALLED NEW LAMAR STARTER, CESSNA P/N 31B22207 SN 85015005.	
	652	5 (TACH)	GROUND OPERATIONAL CHECK O.K. .	Steve Bergen IA# 2006729
33	834	2 (HOBBS)	<div style="border: 1px solid black; padding: 5px;"> CMW AD 93-02-05 (issued 6-14-93) paragraph (c) by reinspecting fuel injection fuel lines in accordance with Textron Lycoming Service Bulletin #SB 342B Supplement, dated 4-27-99. (Due Every 100 hrs.) </div>	
	655	6 (TACH)		Steve Bergen IA# 2006729

MAINTENANCE RECORD

TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
HOURS	10ths		
924.2	(HOURS)	C/W AD 93-02-05 (issued 6-14-93) paragraph (c) by reinspecting fuel injection fuel lines in accordance with Textron Lycoming Service Bulletin #SB 342B Supplement, dated 4-27-99. (Due Every 100 hrs.)	<i>Steve Berger</i> IA # 2006729
736.0	(TACH)		
1024.6	(HOURS)	C/W Textron Lycoming Service Bulletin #SB 388B exhaust valve and guide inspection. (Due Every 1000 hrs.) #1-.016 #2-.018 #3-.014 #4-.021	<i>Steve Berger</i> IA # 367862532
813.4	(TACH)		
		C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by reinspecting fuel injection fuel lines in accordance with Textron Lycoming Service Bulletin #SB 342C Supplement, dated 4-28-2000. (Due Every 100 hrs.)	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
3000 7/10	1075.1 853.0	1 (HOBS) 0 (TACH)	C/W Cessna Single Engine Service Bulletin #SEB 92-30 by removing and inspecting both slick magnetos in accordance with Slick Service Bulletin #SB2-80C. (Due Every 500 hrs.)	Steve Berger IA #2006729
8/01	1124.1 892.9	1 (HOBS) 9 (TACH)	REMOVED THIS ENGINE THIS DATE FROM CESSNA 172R MODEL AIRCRAFT, N984WU S/N 17280510 FOR WARRANTY REPAIR. TOTAL ENGINE TIME TO DATE - 892.9 HRS. (TACH)	Steve Berger IA #2006729

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701

09/07/00 Engine s/n L-27603-51A was removed from service with 892.9 TT and returned to Textron Lycoming for inspection/repair due metal in filter. Engine was disassembled, cleaned, and inspected. Crankshaft and Accessory Housing were reworked and inspected to blueprint. Cylinders were honed and replaced 2 exhaust valves. Engine was reassembled replacing the camshaft, oil pump body, hydraulic pump adapter, and the vacuum pump adapter. Also replaced were all; bearings, tappets, piston pin plugs, piston rings, pistons, piston pins, inter-cylinder baffles, hardware necessary for the repair, and all perishable items. Engine was tested in accordance with Textron Lycoming specifications and is determined to be in an airworthy and safe operating condition. Additional service bulletins and instructions complied with 240R, 342C (93-02-05), 475B (91-14-22), SI 1267C, 1424, 1487. All pertinent data relating to this work is on file at Textron Lycoming under work-order CR00144.

M. A. Dugan
M. A. Dugan Repairman #2606040
Repair Station EJ1R115K

END

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE			DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	MINS			
9002					
1/28	2845.0		(HOBS)	<p>1) Installed this Warranty Repaired Textron Lycoming Engine in Cessna 172R Model Aircraft, N979BC S/N 17280060. Installed overhauled Propeller, McCauley Model #1C235/LFA7570 S/N RG-045 using 6 new Propeller Bolts #A2513-92. Propeller & Spinner Assembly were Dynamically Balance to Engine. Installed the following new parts : all new Engine Mounts 2 - #J9613-72 & 2 - #J9613-49, Bolts 2 - #AN 7-44A & 2 - #AN7-45A, and Nuts # MS21045LZ ; all new Engine - Fuel, Oil, and Air - Lines & Hoses; 1 - #9954100-9 Reconditioned Exhaust Muffler; 2 -Vacuum Pumps, Airborne Model # 215CC & 216CW, 1 - Alternator P/N 9910591-11; 1 - #565-549-021 Throttle Control; 1 - #565-548-041 Mixture Control. Engine Mount was cleaned, inspected, and repainted as necessary. Engine was serviced with 8 Qts. of 20W50 Phillips X-C Mineral oil. Engine was ground test run, checked for oil leaks, Operational Parameters set in accordance with Cessna 172R Maintenance Manual , test flown, and was determined to be in airworthy condition.</p> <p>2) C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D, dated July 10, 2001 (Due Every 100 hrs.)</p>	
	2224.6		(TACH)		
	892.9		(ENG)		
					<p style="text-align: center;"><i>Steve Bager</i> IA# 2006729</p>

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	
	HOURS	10ths			
2001 3/29	2950 2308 976	1 hr 12 hr 3 hr	(HOBBS) (TACH) (ENG)(TACH)	C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D, dated July 10, 2001 (Due Every 100 hrs.)	Scott IA 30766687
5/01	3000 2368	6 0	(HOBBS) (TACH)	Removed defective LH Slick Magneto Model #4371 S/N 97091432 installed new coil P/N K3975, reset internal timing, inspected contact points and condenser, reinstalled and retimed to engine. Ground operational check o.k..	Steve Berger IA # 2006729
5/17	3049 2385 1053	8 5 6	(HOBBS) (TACH) (ENG)	C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D, dated July 10, 2001 (Due Every 100 hrs.)	Steve Berger IA # 2006729

1A # 2006729

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2002 5/24	3057.2 2391.6 1059.7	2 6 7	Removed defective Lamar Starter P/N PM2401, S/N 85015005 Cessna P/N 31B22207 and installed repaired Lamar Starter P/N PM2401, S/N 85023204 Cessna P/N 31B22207. Ground operational check o.k..	Steve Bays 1A # 2006729
6/28	3149.5 2463.7 1131.8	5 7 8	C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D, dated July 10, 2001 (Due Every 100 hrs.)	Steve Bays 1A # 2006729
7/30	3250.2 2542.3 1210.2	2 3 2	C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D, dated July 10, 2001 (Due Every 100 hrs.)	Steve Bays 1A 36760932

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2002 9/10	3349.5 2620.2 1288.1	.5 (HOURS) .2 (TACH) .1 (ENG)	C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D, dated July 10, 2001 (Due Every 100 hrs.)	Steve Bager IA# 2006729
9/10	3349.5 2620.2 1288.1	.5 (HOURS) .2 (TACH) .1 (ENG)	C/W CESSNA SEB # 92-30 SLICK/UNISON 500 hr. Insp. Removed + Inspected BotL LH + RH Magnetos I/M/W #SB2-80C	Scott Aust AP 36566627 14
10/10	3749.4 2698.2 1366.1	Holls .2 (Tach) .1 (Eng)	C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D, dated July 10, 2001 (Due Every 100 hrs.)	Nicholas Tom ATP # 2707800
12/12	3550.9 2774.1 1442.2	.9 (HOURS) .1 (TACH) .2 (ENG)	C/W AD 93-02-05 (issued 6-14-93) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D, dated July 10, 2001 (Due Every 100 hrs.)	Steve Bager IA# 2006729

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2003 <u>2/22</u>	3649 2850 1518	.9 hrs .8 hrs .9 hrs	(HOBS) (TACH) (ENG) C/W AD 2002-26-01 (issued 1-31-2003) Paragraph (C) by Inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due Every 100 hrs.)	<i>Scott Austin</i> AP 36866421 MA
4/15	3749 2930 1598	.7 .8 .9	(HOBS) (TACH) (ENG) C/W AD 2002-26-01 (issued 1-31-2003) Paragraph (C) by Inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due Every 100 hrs.)	<i>Steve Berger</i> TA# 2006729

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2003 6/16	3850	0 (40385)	C/W Textron Lycoming Service Bulletin #SB 388B & Service Instruction #SI 1485 exhaust valve and guide identification & inspection. (Due Half way to Recommended TBO or Every 1000 hrs.) #1 - 015 #2 - 018 #3 - 020 #4 - 020	
	3008	1 (744)	C/W Slick/Unison Service Bulletin #SB2-80C by removing and inspecting both Slick magnetos. (Due Every 500 Hrs.)	
	1474	2 (44)	C/W AD 2002-26-01 (issued 1-31-2003) Paragraph (C) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due Every 100 hrs.)	<i>[Signature]</i> 1436782532

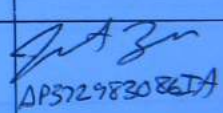
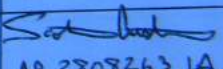
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2003 08 / 07	3948 3085 1753 860 2507	3 (Holds) 0 (Tach) TTAF 1 (Eng) 2 (prop, SMOH) 6 (PROP)	C/W AD 2002-26-01 (issued 1-31-2003) Paragraph (C) by Inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due Every 100 hrs.)	<i>F. Taligashis</i> AP Pending
10/1/03	4049 3163 1831 938	5 (Holds) 0 TACH TTAF 1 (Engine) 2 (PROP)	C/W AD 2002-26-01 (issued 1-31-2003) paragraph (c) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due every 100 hrs)	<i>Ken Peral</i> AP 2771951

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2003 1/12	4149 3240 1908	3 (HOBBS) 3 (TAF) 4 (Eng II)	C/W AD 2002-26-01 (issued 1-31-2003) paragraph (c) by inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due every 100 hrs)	Scott [Signature] AP 368666871A
2004 1/13	4247 3313 1981	7 HOBBS 0 (TAF Tach) 1 (Eng II)	C/W AD 2002-26-01 (issued 1-31-2003) Paragraph (C) by Inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due Every 100 hrs.)	[Signature] AP 372983086TA
2004 1/14	4348.0 3384.2 3052.3	(Hobbs) (Tach, TAF) (TEng)	C/W AD 2002-26-01 (issued 1-31-2003) Paragraph (C) by Inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due Every 100 hrs.) C/w stick/unison SB# 2-80X by removing and inspecting both magnetos.	[Signature] AP 384805430

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2004 12/13	4449.3 3457.3 2125.14		C/W AD 2002-26-01 (issued 1-31-2003) Paragraph (C) by Inspecting fuel injection fuel lines and support clamps in accordance with Textron Lycoming Service Bulletin #SB 342D dated July 10, 2001. (Due Every 100 hrs.)	 AP572983086IA
8/126/04	4545.8 3529.2 2197.3	.8 (WOBBS) .2 (TTAF) .3 (ENG)(TT)	Removed This engine from aircraft N979BC S/N 17280060. Removed due to normal engine run-out time. Total Time - <u>2197.3 hrs.</u>	 AP 2808263 IA