

LOG #2

OFFICIAL
Engine Log

N52696

AVIATION MAINTENANCE FOUNDATION



6/96 →

FOREWORD

This official Engine logbook has been specially compiled and designed by the Aviation Maintenance Foundation, Inc., (AMFI)—a national nonprofit organization for professional Aviation Maintenance Personnel. The purpose of this logbook is to improve the quality of aircraft maintenance through proper record-keeping and description of actual services performed. By standardization of this information, it is the hope of the Aviation Maintenance Foundation that greater air safety will be achieved.

NOTE: This information is a permanent record of this aircraft. Alteration of this information in any way is a Federal offense.



For Sale by the Aviation Maintenance Foundation,
Incorporated, P.O. Box 739, Basin, WY 82410
Tel: (307) 568-2466

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ENGINE DESCRIPTION

MANUFACTURER Lycoming MODEL IO-360-A1B6D

SERIAL NUMBER L-17350-51A DATE OF MANUFACTURE _____

INTED BHP 200 HP RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

INSPECTION & MAINTENANCE RECORD

6 June 96 Tach 331.1 Engine TT 1362.8

ANNUAL Inspection c/w using the Cessna 177RG inspection guide as provided in the MM. AD 78 09 07 Bendix magneto impulse inspection c/w, an checked OK. Reinspection due ea 500 hours at 831.1 tach hrs, 1862.8 hrs. eng TT. Oil and filter not changed at this time.

COMPRESSION CHECK

1	2	3	4
66/80	65/80	68/80	60/80

I certify that this engine has been inspected in accordance with an Annual inspection and determined to be in airworthy condition. Pertinent details of this inspection are on file at this agency under work order No. 3392

Dated 6 June 96 Tach 331.1

Engine TT 1362.8 TSMO

by [Signature] for

LAFAYETTE AVIATION INC.

Purdue University Airport West Lafayette, Indiana 47906

REPAIR STATION AHRR100C

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>8-Aug-97 IO-360-A1B6D S/N L-17350-51A Tach-405.3 TT-1436.8</p> <p>I certify that this engine has been inspected in accordance with a annual inspection and the following items have been noted and corrected.</p> <p>Complied with AD 96-09-10, "Oil Pump Impeller" by installing kit p/n 05K19423S.</p> <p>Replaced accessory section gasket with new, p/n LW13353.</p> <p>Replaced oil pan gasket with new, p/n 73818.</p> <p>Compression Values: #1 76/80 #2 78/80 #3 73/80 #4 76/80</p> <p>The work identified above was inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Details are on file under work order <u>607</u></p> <p>Dated <u>8-8-97</u> BY <u>P. Hughes</u> For _____</p> <p>CRS AHRR 100C Lafayette Aviation Inc., W. Lafayette, In. 47906</p>

Sept. 9, 1997 Tach Reads 427.3 hrs., TT-1458.8 HRS.
 Changed Engine Oil Filled w. Aeroshell 100/50 wt. Ashless and new
 Change Oil Filter. Added Lyc. Sol. Dye. Repaired Cooling Bottles thru
 CRACKS TO ENGINE BY OWNER OF AIRCRAFT

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
------	------------	---

12 Sept 98 IO-360-A1B6D S/N L-17350-51A Tach-443.5 TSO-1475.0 TT-1475.0
 I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. The following discrepancies were noted and corrected.

Took oil sample.

Installed all new spark plug gaskets, p/n M674.

Drained oil, removed oil filter and inspected. No foreign debris noted. Installed new oil filter, torqued and saftied. Serviced with 8qts Aeroshell 15W50. Engine run complete, no leaks noted.

Compression values: #1 74/80 #2 72/80 #3 69/80 #4 64/80

The work identified above was inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Details are on file under work order 1258

Dated 9-12-98 BY Larry P. Hughes For
 CRS AHRR 100C Lafayette Aviation Inc., W. Lafayette, In. 47906

Sept 19, 1998	TACH 445.1	DRAIN ENGINE OIL & RE-VALVED FILTER, INSTALL AEROSHELL 100-50WT. RE-ALCESS OIL. BY OWNER OF AIRPORT - J. [Signature]
---------------	------------	--

10-23-98		Installed New "O" Rings in fuel Injectors. Leak check & ops check good. Michael J. Fisher CRS AHRR 100C
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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
July 15-1999	465.7 <i>TACH RECORDS</i>	Changed oil and filter. Inspected filter for debris, none noted. Serviced engine with 7qt Aeroshell 100W with FW 1670 Additive. Ran on ground and leak check OK. Robert S. All for CRS AHRR100C.
TOTAL HRS	1492.2	
09-28-99	TACH 485.7 TOTAL 1517.4	Completed 100hr Annual inspection this date. Serviced plugs and Magneto's. Changed Oil Filter and Oil 100W Aeroshell. Checked Filter for debris none found. Obtained Oil Sample Compression Check #1 $\frac{72}{80}$ #2 $\frac{75}{80}$ #3 $\frac{75}{80}$ #4 $\frac{73}{80}$. Serviced with 7qt 100W Aeroshell and One bottle of FW 1670 2 Additive C1W AD 93-02-05 (Fuel Injection Lines) Due again at TACH 585.7 See Back of A/C Log for AD Note Listing and Compliance.
<p>I certify that this engine has been inspected in accordance with a 100hr Annual inspection and was determined to be in an airworthy condition. Dated: 09-28-99 Work order No. 1904 Signed: <i>Michael J. Gish</i> Lafayette Aviation, Inc. 7 Purdue Airport West Lafayette, In. 47906 Repair Station No. AHRR100C</p>		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11-21-99	517.1	Changed oil & filter, serviced engine with 7 qts Aeroshell 15W50. Ran engine then leak checked P. Johnson owner cert # 2041520
5-1-00	541.8	changed oil & filter, serviced engine with 7 qts Aeroshell 15W50. Ran engine then leak checked by owner cert # 2041520
7-20-00	576.8	changed oil & filter, serviced engine with 7 qts Aeroshell 15W50. Ran engine then leak checked by owner cert # 2041520
9-20-00	582.5	Removed fuel gas strainer cleaned screen & replaced all O-rings reinstalled, leaked ok. Replaced bracket Air filter element. cleaned, checked for proper gap spacing and rotated all spark plugs. Removed both main wheels cleaned, checked then repacked all wheel bearings. Changed oil & oil filter serviced engine with 7 qts of Aeroshell 15W50

Continued next page

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
0-00	582.5	(continued from previous page) ran engine and checked for leaks. by owner 2041520 cert. #
N52696 10-15-2000 TACH: 582.5 TT:1614.2 Completed ANNUAL INSPECTION: Cylinder compression: #1 75/80; #2 76/80; #3 74/80; #4 76/80; Complied w/AD's 96-12-07 performed run-up to check for performance and oil leaks; I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition. The aircraft or component identified above was inspected and/or repaired in accordance with current regulations of the Federal aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under WO# 1715		
SIGNED <u>Gary J. Grizmonpre</u> Gary Grizmonpre 2621508 IA ----- Midwest Flight Check CRS# MFKR583K		
25-00	588.3	Install Exhaust System (including mufflers) after Overhaul by Dawley Aviation. See Aircraft File for Serviceable tags. Glenn A. Kay A+P 2101814
3-28-01	606.7	Changed oil & filter. Serviced engine with 7ats of Aeroshell 15W50. Ran engine then checked for leaks. By owner 2041520 cert. #.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10-00	582.5	(continued from previous page) ran engine and checked for leaks. by owner 2041520 cert. #

N52696

10-15-2000 TACH: 582.5 TT:1614.2

Completed ANNUAL INSPECTION: Cylinder compression: #1 75/80; #2 76/80; #3 74/80; #4 76/80; Complied w/AID's 96-12-07 performed run-up to check for performance and oil leaks; I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition. The aircraft or component identified above was inspected and/or repaired in accordance with current regulations of the Federal aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under WO# 1715

SIGNED

Gary J. Grimmonpre

Gary Grimmonpre 2621508 IA

Midwest Flight Check CRS# MFKR583K

25-00	588.3	Install Exhaust System (including mufflers) after Overhaul by Dawley Aviation. See Aircraft File for Serviceable Tags. Glenn A. Kay A+P 7101814
3-28-01	606.7	Changed oil & filter. Serviced engine with Fats of Aeroshell 15W50. Ran engine then checked for leaks. By owner 2041520 cert. #.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6-21-01	632.2	changed oil & filter, serviced with 7ats of Aeroshell 15W50 Ran engine then checked for leaks. By owner cert. # 2041520.
7-1-01	648.1	Removed & Replaced vacuum pump with new Champion vacuum pump, Model NO. CH 215 CC, Serial no. Cφ3246. Also replaced mounting gasket with new. Ran engine, checked for leaks and adjusted vacuum level. Glenn A. Kay ATP 2101814
7-16-01	650.7	Replaced gear warning microswitch, microswitch actuator and throttle CAM, part numbers: S2327-1, 2327-2, 2013083-1, with new. Adjusted gear warning horn to sound at 12 inches of manifold pressure, checked in flight. Glenn A. Kay ATP 2101814
9-18-01	659.3	change oil & filter, serviced with 7ats of Aeroshell 15W50 oil. Ran engine then checked for leaks. By owner cert. # 2041520

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
	N52696 10-01-01 TACH: 659.5 TT: 1691.2	
	Completed ANNUAL INSPECTION: checked cylinder compression: #1 78 /80; #2 78 /80; #3 78 /80; #4 78 /80; Complied w/AD's 93-02-05 by inspection of fuel lines. Replaced Adel clamps on no. 1 and 3 cyls. fuel injection lines. Replaced spark plugs. Replaced ign. Lead spring no. 2 cyl. performed run-up to check for performance and oil leaks; I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition. The aircraft or component identified above was inspected and/or repaired in accordance with current regulations of the Federal aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under WO# 1815.	
	SIGNED <u>Greg Cyril</u>	Midwest Flight Check CRS# MFKR583K
11-12-01	671.3	Replaced vacuum hose from pump to fire wall with new MILH 6000 5/8 inch hose. Also replaced breather hose with new MILH 6000 5/8 in hose. <i>Glenn A. Kay A & P 2101814</i>
1-13-02	679.3	changed oil & filter. Serviced engine with 7ats of Aero Shell 15W50. Ran engine then checked for leaks. By owner, 2041520 cert.#

INSPECTION & MAINTENANCE RECORD

MANUFACTURER: Lycoming **ENGINE MODEL:** IO-360-A1B6D **S/N:** L-17350-51A **WO#** 706

AD #	DESCRIPTION	COMPLIANCE STATUS
66-20-04	oil filter adapter gasket	N/A by engine model
#71-05-02 R4	crankcase	P/C/W IAW SB 326 and SI 1123A
71-11-02	tappet plunger P/N 76290 and 73065	P/C/W-has tappets P/N 78290
73-23-01 R4	piston pin P/N 69650	N/A bo new pins installed
75-08-09 R3	oil pump drive shaft with woodruf key	N/A-has drive shaft with flats
75-09-15	fuel flow dividers with P/N "-1"	C/W by flow divider O/H
78-23-10	fuel servo	C/W by servo overhaul
79-04-05	fuel servo	C/W by servo overhaul
90-04-06 R1	external oil line	C/W by inspection IAW para. (a) (1)
91-08-07 C	fuel pump fitting	N/A-engine not turbocharged
#91-14-22	crankshaft gear	C/W IAW Lycoming SB 475A
Next due at engine overhaul, after propeller strike, sudden stoppage, or whenever gear train repair is required.		
92-12-05	piston pin P/N LW-14077	N/A by date of purchase of new pins installed
#93-02-05	fuel injector lines	C/W IAW Lycoming SB342A
Next due at 100-hour/annual inspection		
95-07-01	connecting rod bolt P/N 75060	N/A by bolt P/N
95-26-02	improper fuel	N/A by registration #
96-09-10 C	oil pump	N/A by engine model
96-23-03	fuel pump	N/A to pump O/Hd by Aero Accessories
97-15-11	piston pin	N/A to new pins installed
#98-02-08	crankshaft	N/A engine uses controllable pitch prop
98-17-11 C	crankshaft	C/W by inspection of crankshaft IAW para (b)
#98-18-12	rotary fuel pump	N/A has diaphragm type pump
2/12/2007	oil filter plate gasket	C/W by installation of new gasket

2002/12/07
 FAA Certified Repair Station YYBR664L

Date: 10/28/

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.

MAKE	Lycoming	MODEL	IO-360-A1B6D	S/N	L-17350-51A
Total Time	1,746.20	Hours	Time Since Major Overhaul	ZERO	Hours

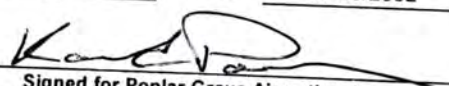
This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul as per the manufacturer's current overhaul manual 60294-7. A detailed parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance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

Installed four (4) new Lycoming cylinder piston kits P/N 05K21120. Pressure tested valve assy's. Fitted and installed new pistons and rings. Hand fitted rocker arms. Installed Bendix magneto P/N 10-382555-11, S/N 838268, overhauled by Poplar Grove Airmotive Inc.. Installed fuel pump P/N 41234, S/N AA14590, "Newly" overhauled by Aero Accessories, Inc.. Supplied fuel servo P/N 2524054-11, S/N13310 which was "Rebuilt" Precision Airmotive Corporation. Supplied starter P/N MZ-4222, S/N 2K000801, which was overhauled by Poplar Grove Airmotive. ----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:

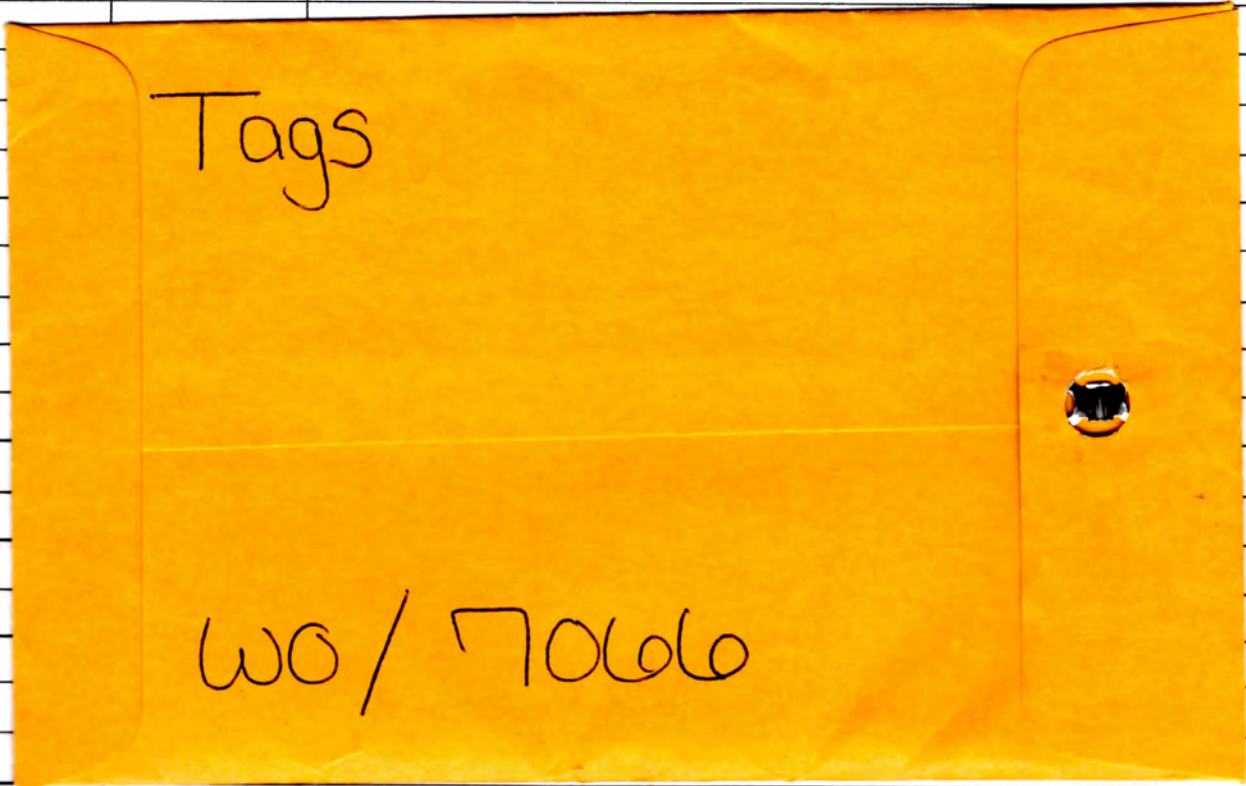
Poplar Grove Airmotive, Inc.
 Poplar Grove Airport, Poplar Grove, IL
 FAA Approved Repair Station #YYBR664L

Work Order # 7066 **Date** 10/28/2002


 Signed for Poplar Grove Airmotive, Inc.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.



INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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N52696

11-25-02 TACH: 714.5 TT: 1746.2 TSMOH 00

Removed engine for overhaul by Popular Grove Airmotive. Removed nosegear and engine mount for clean and paint. Reinstalled engine mount and nosegear. Reinstalled overhauled engine with new baffle seals and Lord engine mounts. Reinstalled Tanis engine heater and engine analyzer probes and wires. Rigged nosegear up and down limits. Installed prop after reseal, paint and balance by Midwest Aircraft Propellers. Accomplished runup, ops check OK and no leaks found, OK for flight test

The aircraft or component identified above was inspected and/or repaired in accordance with current regulations of the Federal aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under WO# 2025

SIGNED

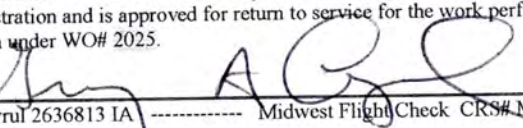

 Greg Cyril 2636813 IA ----- Midwest Flight Check CRS# MFKR583K

N52696

11-25-02 TACH: 714.5 TT: 1746.2 TSMOH 00

Completed ANNUAL INSPECTION: serviced with 8 quarts 20W50 type M Phillips ; checked magneto to engine timing: Complied w/AD 93-02-05 inspec of fuel injection lines. performed run-up to check for performance and oil leaks; I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition. The aircraft or component identified above was inspected and/or repaired in accordance with current regulations of the Federal aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under WO# 2025.

SIGNED


 Greg Cyril 2636813 IA ----- Midwest Flight Check CRS# MFKR583K


INSPECTION & MAINTENANCE RECORD

POPLAR GROVE AIRMOTIVE, INC.

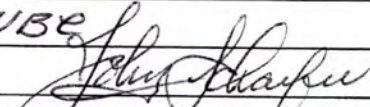
756.5	TACH
N/A	SMOH
7/28/2003	DATE

N 52696

- | | |
|---|---|
| 1. Engine removed for repair and reinstalled using existing mounts and hoses
Phillips 20-50M oil
5. Ground run up | 2. Filled with
3. Prop painted and reinstalled
4. Checked engine controls |
|---|---|


 David Noe A&P 344386227

8/22/03	TACH	762.0	Removed VACUUM PUMP AND INSTALLED NEW CR8700 SEAL AND FLANGE GASKET. REINSTALLED PUMP AND TIGHTENED OIL FILTER TUBE
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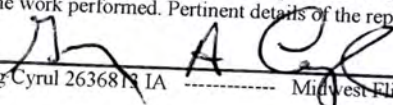

 1A1440690

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5-14-04	803.1	Changed oil & filter. Serviced with 7 qts of Aeroshell 15W50. Ran engine then checked for leaks. By owner. Cert. # 2041520

N52696
11-05-04 TACH: 838.9 TT:1870.6 TSMOH: 124.4

Completed ANNUAL INSPECTION: changed oil; cut filter; no metal found; serviced with 7 quarts of Aeroshell 15 W 50; cleaned and gapped spark plugs; checked magneto to engine timing; solvent washed engine; checked cylinder compression: #1 79 /80; #2 79 /80; #3 73 /80; #4 78 /80; Complied w/AD 2002-26-01 Inspection of fuel injection lines. Replaced air filter
Performed run-up to check for performance and oil leaks; I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition. The aircraft or component identified above was inspected and/or repaired in accordance with current regulations of the Federal aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under WO# 2330.

SIGNED 
Greg Cyril 2636813 IA ----- Midwest Flight Check

10-25-04	838.0	Changed oil & filter. Serviced with 7 qts of Aeroshell 15W50, Ran engine then checked for leaks. By owner cert. # 2041520
7-7-05	862.2	Changed oil & filter. Serviced with 7.5 qts of Aeroshell 15W50. Ran the engine then checked for leaks. By Owner Cert. # 2041520

STD UNIT

LIMITED MAINTENANCE
RELEASE

UNIT NAME 4 Dykstra MFG. NAME 44
10360A1B6D SERIAL NO. PG19819-1-4
MODEL or P/N

The repairs to the aircraft component identified above were accomplished in accordance with current regulations of the FAA. The work was inspected and found airworthy for return to service. Only the labor operations detailed below and on our Work Order are covered by this release.

Removed bearing, installed new
bearing parts TAW/H/Hand
#60294-7-9 Rev 6/02-END

OWNER: Preston
WORK ORDER NO. 9819 DATE: 2/21/06

SIGNED FOR:
POPLAR GROVE AIRMOTIVE, INC.
11619 U. S. ROUTE 76
POPLAR GROVE, IL 61065
FAA Approved Repair Station #YYBR664L

June 8, 2006 Tac Time 893.9 Time Since OH. 179.4
Total Time Engine 1925.6
This Engine installed into N52696,
177RG S/N 1252.
Verlin Schauer ATP1972317

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
June 8, 2006	Tac Time 893.9 Time Since Overhaul 179.4	Total Time 1925.6
	AD 96-12-07 Impulse Coupler Insp. Prepage.	
	AD 80-25-07 RI pre C/W at Eng Overhaul	
	AD 76-16-02 Airborne & AD 79-13-08 Airborne NA by Dth	
	AD 98-23-01 Parker Hannifin C/W at OH	
	AD 78-18-04 & AD 79-12-07 & 79-18-06 & 82-11-05 &	
	AD 82-20-01 Bendix all complied with at Overhaul.	
	Serviced with Aerashell 40wt Non Detergent oil. Pre oiled Eng & Leak checked good.	
I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. TACH TIME <u>893.9</u> TOTAL TIME <u>1925.6</u> PROP TIME <u>721.6</u> DATE <u>June 8, 2006</u> VERLIN L. SCHAUER IA 1972317 <u>Verlin Schauer</u> IA 1972317		

INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Sept. 2, 2007	Tac Time 916.4	Complete Compression Check of Cyl. #1-3/80 #2-7/80, #3-7/80, #4-7/80. Drained oil & checked and replaced oil filter, serviced with 8 qts AeroShell 15W50 oil. Replaced Air Filter cartridge with New Brackett. Ran Eng & leak checked good.
		Since Major Overhaul 201.9

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

TACH TIME 916.4 TOTAL TIME 1948.1
PROP TIME 749.1 DATE Sept 2, 2007

VERLIN L. SCHAUER IA 1972317
Verlin Schauer

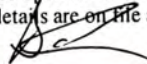
Model	177 RG	Cutter Aviation Deer Valley, Inc.	Work order	09M-1089
Serial #	177RG1252	530 West Deer Valley Road	Hour Meter	N/A
Registration	N52696	Phoenix Arizona 85027	Tachometer	968.9
Eng. Mod.	IO-360-A1B6D	FAA Repair Station No. W45R0450	AFTT	2000.6
Eng. Ser.	L-17350-51A	Engine		


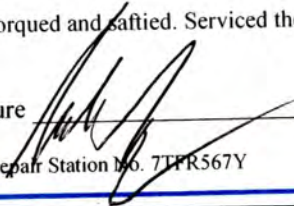
- Drained oil, took mid stream oil sample, internally inspected oil filter with no defects noted, serviced engine with 8 Quarts of AeroShell 15W50, Installed new CH48103-1 oil filter.
- Performed post maintenance operational and leak checked with no discrepancies noted

Pertinent details are on file at this agency under the above listed work order.

Signature: Brian T. Cottle *[Signature]* Date: 4/10/08

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED. AGENCY & CERTIFICATE NO.				
		Model	177 RG	Cutter Aviation Deer Valley, Inc.	Work order	09M-1089
		Serial #	177RG1252	530 West Deer Valley Road	Hour Meter	N/A
		Registration	N52696	Phoenix Arizona 85027	Tachometer	968.9
		Eng. Mod.	IO-360-A1B6D	FAA Repair Station No. W45R0450	AFTT	2000.6
		Eng. Ser.	L-17350-51A	Engine/Airframe		
		<ul style="list-style-type: none"> Removed cracked # 1 cylinder exhaust stack. Crack was repaired by Rich Precision welding, post repair inspection c/w and reinstalled on engine. Removed and replaced landing light p/n 4509 and performed operational check ...Good Performed post maintenance operational and leak checked with no discrepancies noted 				
		Pertinent details are on file at this agency under the above listed work order.				
		Signature:	Brian T. Cottle		Date:	04/18/08

Reg. No.: N52696	ENGINE	Date 9/22/2008								
<p>I certify that this engine has been inspected in accordance with a Annual inspection per FAR Part 43 Appendix D and Pro-Air Aviation Annual inspection form P-AA003 and determined to be in an <i>AIRWORTHY</i> condition at this time. Other details of this inspection are on file at this facility under work order no. 08-9556. For AD compliance, see AD listing.</p> <p>Compressions: #1) 78/80 #2) 78/80 #3) 78/80 #4) 78/80</p> <p>CW AD 08-14-07 (8/14/08) Fuel injection lines and clamps per MSB 342E. Next due 1098.7 Tach or when maintenance is per formed on the system.</p> <p>Drained oil, removed and inspected oil filter. Installed new Pt# CH48103 oil filter, torqued and saftied. Serviced the engine with 8 qts. Aeroshell 15W50 oil.</p>		<table style="width: 100%; border-collapse: collapse;"> <tr><td>AFTT</td><td style="text-align: right;">2030.4</td></tr> <tr><td>TACH</td><td style="text-align: right;">998.7</td></tr> <tr><td>TSN</td><td style="text-align: right;">2030.4</td></tr> <tr><td>TSO</td><td style="text-align: right;">284.2</td></tr> </table>	AFTT	2030.4	TACH	998.7	TSN	2030.4	TSO	284.2
AFTT	2030.4									
TACH	998.7									
TSN	2030.4									
TSO	284.2									
		Authorized Signature  FAA Approved Repair Station No. 7TFR567Y								

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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TORNADO ALLEY TURBO INC.
 300 AIRPORT RD
 ADA, OK 74820

ENGINE LOG BOOK ENTRY



22 JULY 2009

N52696 CESSNA 177RG SN: 177RG1252 ACFT TACH: 2105.1
LYCOMING IO-360-A1B6D SN: L-17350-51A ENG TT: UNK ENG TSMOH: UNK
 INSTALLED STC SA4081NM FLITCRAFT TURBO TURBOCHARGER IN ACCORDANCE WITH ENGINE TECHNOLOGIES INC. DRAWING LIST NO. D-177RG-100 DATED 5/7/2009 TO EXISTING IO-360-A1B6D ENGINE CURRENTLY INSTALLED IN THIS AIRFRAME. REFER TO FLITECRAFT AIRPLANE FLIGHT MANUAL SUPPLEMENT FOR CONTINUED AIRWORTHINESS AND OPERATING LIMITATIONS.
 INSTALLED NEWLY OVERHAULED FUEL SERVO UNIT PART NUMBER 77-6700002 SERIAL NUMBER 85470118. UNIT CONFORMS TO TATI FLOW SPECIFICATIONS.
 INSTALLED GAMI INJECTOR KIT NUMBER GT15B-177RG SERIAL NUMBER 17813.
 INSTALLED 8 NEW CHAMPION SPRK PLUGS PAER NUMBER RHM38E.
 DRAINED ENGINE OIL AND REMOVED OIL FILTER. SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 15W/50 OIL AND INSTALLED NEW OIL FILTER. RETAINED SAMPLE FOR ANALYSIS AND INSPECTED OIL FILTER, NO ABNORMALITIES NOTED.
 OPERATIONAL AND RUN-UP CHECKS OK.

David Landreth
 DAVID LANDRETH A&P 2651512 IA

August 17, 2009 Tach: 2126.65 Engine Entry

Work Performed: Replaced gearhorn switch actuator at throttle control and rigged per book. Safety wired throttle body screws and mixture control clamp on oil pan. Replaced cabin heat inlt rivets with screws. Replaced turbo oil supply line with new. Secured TIT probe. Dressed out rub spot on oil cooler. Engine ran for ops and leak checked OK.

Rian Keller AP 2771007

R Keller

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		August 28, 2009 Tach: 2129.59
		Work Performed: Rigged throttle gear warning microswitch. Rian Keller AP2771007
		

March 19, 2010 **Tach: 2144.45** **Engine Total: 2144.45** **TSMOH : 398.25**
Complied with an ANNUAL inspection I/A/W 14 CFR 43 Apdx D.

Engine ground run, Static rpm checked. Differential compression check: 1) 78 2) 79 3) 77 4) 78 over 80 psi. Engine controls lubricated. Cleaned, gapped, tested and rotated spark plugs. Fuel screen cleaned. Oil filter changed, Old filter cut and inspected for debris. Ground run and Leak checked.

Additional work performed: Oil changed with 7 qts Aeroshell 15w50 oil, CH48103-1 filter. Re-positioned mixture arm on servo and rigged control. Adjusted idle mixture. Replaced multiple engine baffle grommets. Secured and antichafed oil temp wire. Installed bolt for #2 cylinder baffle. Torque turbo V-band clamp and safety wired. Secured oil cooler duct. Stop drilled engine baffle cracks. Patched #2 cylinder baffle. Added clear tube to engine fuel pump drain. Replaced #2 injection line clamp. Rigged propeller control cushion. Secured muffler cold air duct. Installed lower LH baffle support springs. Lubed turbo wastegate. Replaced started cable from solenoid to starter. Repaired wire for throttle microswitch.

Airworthiness Directive Listing: Listing of all airframe, engine, propeller, and accessory AD's completed and signed off. See list attached to aircraft records.

This Engine has been inspected in accordance with an Annual inspection and has been found to be in Airworthy condition at this time.

Rian Keller AP2771007 IA
Northwest Aircraft Maintenance Inc. (503) 648-3670

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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July 20, 2010

Tach: 2173.71

Work Performed: Oil and filter changed with 8 quarts of 100W Aeroshell, LW16702 and CH48103-1 filter. Cut and inspected old oil filter. Operationally leak checked OK.
 Dirk H Wittig A&P 2686407
 Northwest Aircraft Maintenance Inc.

[Handwritten signature]

August 11, 2010

Tach: 2179.92

Work Performed: Removed #2 cylinder for inspection. Reinstalled #2 cylinder after repair by Premier Aircraft Engines under their WO# 11653 See yellow tag. Installed using all new gaskets. Oil and filter changed with 8qts Phillips 66 20W50 oil, CH48103-1 filter. Cut and Inspected oil filter. Ground ran and leak checked.
 Rian Keller AP2771007 1A

[Handwritten signature]

August 24, 2010

Tach: 2189.68

Work Performed: Oil and filter changed with 8qts Phillips 66 20W50 oil, CH48103-1 filter. Cut and Inspected oil filter. Ground ran and leak checked.
 Rian Keller AP2771007

[Handwritten signature]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.

ITEM:
ORDER



1. Approving National Aviation Authority / Country:
FAA/UNITED STATES

2. AUTHORIZED RELEASE CERTIFICATE
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
2000015

MAINTENANCE RELEASE

The article identified on the other side of this tag was repaired and inspected in accordance Title 14, Code of Federal Regulations, Part 43 and in respect to the work described the item is approved for return to service. Pertinent details are on file at this Repair Station under Work Order Number: 11653

Date: 8/9/10

Authorized Signature

Inspector For

Premier Aircraft

1000 NW Perimeter Way

Trousdale, Oregon 97060

Phone 503-661-4184 Fax 503-667-4052

FAA Certificated Repair Station JZYR537L

Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-9005

INSPECTION & MAINTENANCE RECORD

DA
May 4, 2011

Tach: 2280.38

Engine Total: 2280.38

TSMOH : 534.18

Complied with an ANNUAL inspection I/A/W 14 CFR 43 Appx D.

Engine ground run, Static rpm checked. Differential compression check: 1) 79 2) 79 3) 77 4) 79 over 80 psi. Engine controls lubricated. Cleaned, gapped, tested and rotated spark plugs. Fuel screen cleaned. Oil filter changed, Old filter cut and inspected for debris. Ground run and Leak checked.

Additional work performed: Oil changed with 7 qts Aeroshell 15w50 oil, CH48103-1 filter. Adjusted idle speed. Rigged cowl flaps. Adjusted manifold pressure. Replaced fuel pump drain hose. Reinstalled oil filter adapter plate with new gasket per AD 2002-12-07, MSB 543 and SI 1453. Replaced #4 intake flange and aft fin stabilizer. Reinstalled wastegate with new gaskets after test by Main Turbo. Seated oil seal and capped tach drive. Replaced #1 and #3 fuel injection lines per AD 2008-14-07. Replaced air filter with BA5705. Replaced alternator capacitor with S1915-1. Replaced engine oil pressure line from hobbs switch to firewall with AE3663819-B0144 hose assembly.

Airworthiness Directive Listing: Listing of all airframe, engine, propeller, and accessory AD's completed and signed off. See list attached to aircraft records.

This Engine has been inspected in accordance with an Annual inspection and has been found to be in Airworthy condition at this time.

Dirk H. Wittig A&P 2686407 IA

Northwest Aircraft Maintenance Inc. (503) 648-3670

October 17, 2011

Tach: 2337.09

Work Performed: Oil and filter changed with 7qts Aeroshell 15W50 oil, CH48103-1 filter. Cut and Inspected oil filter. Took oil sample. Ground ran and leak checked. Replaced cigar lighter fuse.
Rian Keller AP2771007 IA

R. Keller

INSPECTION & MAINTENANCE RECORD

April 19, 2012

Tach: 2370.83

Engine Total: 2370.83

TSMOH : 624.63

Complied with an ANNUAL inspection I/A/W 14 CFR 43 Apdx D.

Engine ground run, Static rpm checked. Differential compression check: 1) 79 2) 77 3) 76 4) 78 over 80 psi. Engine controls lubricated. Cleaned, gapped, tested and rotated spark plugs. Fuel screen cleaned. Oil filter changed, Old filter cut and inspected for debris. Ground run and Leak checked.

Additional work performed: Oil changed with 7 qts Phillips 20W50 oil, CH48103-1 and LW16702 additive. Adjusted idle speed. Rigged cowl flaps. Lubricated wastegate. Secured mixture control bolt. Supported alternator wire bundles.

Airworthiness Directive Listing: Listing of all airframe, engine, propeller, and accessory AD's completed and signed off. See list attached to aircraft records.

This Engine has been inspected in accordance with an Annual inspection and has been found to be in Airworthy condition at this time.

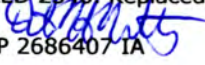
Dirk H. Wittig A&P 2686407 IA 
Northwest Aircraft Maintenance Inc. (503) 648-3670

Engine Log Book Entry

May 10, 2012

Tach: 2375.6

Work Performed: Mixture control rigged to idle cut-off. Replaced fuel injection distribution valve with new 2524232-1, SN AED 2540. Replaced fuel flow hose with new Aeroquip AE1014035B0424 hose. Pressure checked fuel flow line.

Dirk H. Wittig A&P 2686407 IA 

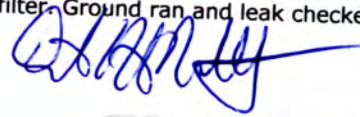
INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Jan 2, 2013 **Tach: 2408.14**

Work Performed: Oil and filter changed with 7qts Phillips 66 20W50 oil, CH48103-1 filter and LW16702 additive. Cut and Inspected oil filter. Ground ran and leak checked. Inflated tires to specs and checked lights.

Dirk H. Wittig A&P 2686407 IA



Aviation Plus LLC
262-656-1260
Aviationplusllc.com

05/10/2013 N52696 Tach 2439 TTE 2439 SMOH 693

Compressions: 1)79, 2)78, 3)78, 4)78. Changed oil and filter. Added 7 quarts Phillips 20W50XC. Replaced oil dipstick gasket. Adjusted turbo pressure to 31.5". C/W AD11-26-04, injector lines & supports, visual check, due 100 hrs. All routine items checked per inspection sheets. I certify this engine was inspected in accordance with an annual inspection and was determined to be in airworthy condition.



Robert Russell 3411885IA

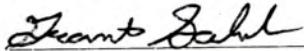
INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
05/29/14	2489.4	Changed oil & filter, Phillips XC 20W50, CH49103-1 Cut and inspected filter finding no debris. Ground run and found no leaks refer to next page Jafkwa 811495 Jafkwa Jafkwa

Date: 05/05/2014 Aircraft: N5269G Work Order Number: 22254 Tach: 2544.85

Changed engine oil and filter. Cut open oil filter to check for contamination, none found. Serviced with 7 Qts of Phillips XC 20W 50.

"All work has been accomplished in accordance with, and in reference to FAA approved data. My signature constitutes approval for return to service of this aircraft only for work I have performed. I have not been authorized to perform any inspection of this aircraft/ engine nor have I reviewed or been authorized to review the maintenance records, including 14 CFR Part 39 compliance."


 Grant R. Sahl, A&P 3564911

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
05/29/14	2489.4	Changed oil & filter, Phillips XC 20W50, CH48103-1 Cut and inspected filter finding no debris. Ground ran and found no leaks refer to next page jay

Date: 05/05/2014 Aircraft: N5269G Work Order Number: 22254 Tach: 2544.85

Changed engine oil and filter. Cut open oil filter to check for contamination, none found. Serviced with 7 Qts of Phillips XC 20W 50.

"All work has been accomplished in accordance with, and in reference to FAA approved data. My signature constitutes approval for return to service of this aircraft only for work I have performed. I have not been authorized to perform any inspection of this aircraft/ engine nor have I reviewed or been authorized to review the maintenance records, including 14 CFR Part 39 compliance."


 Grant R. Sahl, A&P 3564911

INSPECTION & MAINTENANCE RECORD

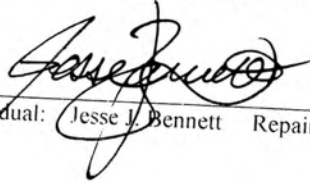
DATE

Date: 10-30-2013 Aircraft: N52696 Work Order Number: 22222 Tach: 2488.42

The following work has been performed-

Drained engine oil, replenished with 8 quarts of Phillips 20w-50. Replaced oil filter with new Champion CH48103-1 oil filter. Test run & leak check satisfactory at this time.

All work has been performed in accordance with manufacturer's data and FAA regulations. Pertinent details of this repair are on file under the work order listed above at Coastal Air Maintenance, R/S #P5GR276K, 985 Airport Drive, San Luis Obispo, CA. 93401 (805) 544-4664.



Authorized Individual: Jesse J. Bennett Repair Station# P5GR276K

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.												
		Willamette Aviation Service, LLC 23115 Airport Rd. NE Aurora, OR 97002												
		<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Make: CESSNA</td> <td style="width: 33%;">Model: 177RG</td> <td style="width: 33%;">Reg. No.: N52696</td> </tr> <tr> <td>Date: 06/11/14</td> <td>S/N: 177RG1252</td> <td>Tach Time: 2551.83</td> </tr> <tr> <td>Engine Log</td> <td>Type: IO360A1B6D</td> <td>S/N: L-17350-51A</td> </tr> <tr> <td></td> <td>Total Time: 2551.83</td> <td>SOH: 805.83</td> </tr> </table>	Make: CESSNA	Model: 177RG	Reg. No.: N52696	Date: 06/11/14	S/N: 177RG1252	Tach Time: 2551.83	Engine Log	Type: IO360A1B6D	S/N: L-17350-51A		Total Time: 2551.83	SOH: 805.83
Make: CESSNA	Model: 177RG	Reg. No.: N52696												
Date: 06/11/14	S/N: 177RG1252	Tach Time: 2551.83												
Engine Log	Type: IO360A1B6D	S/N: L-17350-51A												
	Total Time: 2551.83	SOH: 805.83												

Complied with a 100 Hour/Annual Inspection IAW 14 CFR 43 Appendix D.
 Drained oil and changed filter, pn CH48103-1. Cut open old filter to check for contaminants. None noted. Serviced engine with 8 quarts of Phillips X/C 20W-50 and 6 ounces of oil additive, p/n LW-16702.
 Compression check is as follows: #1-76/80, #2-77/80, #3-77/80, #4-78/80.
 Complied with exhaust ICA inspection of exhaust system. No defects noted.
 Removed all spark plugs. Cleaned, gapped, tested, rotated and re-installed using new plug gaskets, p/n M-674.
 Complied with AD 2011-26-04, effective date 1/25/2012 by inspecting external fuel lines IAW AD and SB 342F. Next due at tach time 2651.83 or any time clamps are moved or loosened.
 Operation run and leak check normal.
 ADs checked through 6/10/2014.

I certify that this engine was inspected IAW a 100 Hour/Annual Inspection and was determined to be in airworthy condition for return to service. Jeffery Reed A&P 2792869 IA. *Jeffery Reed*

06/29/14	2565.9	Changed oil & filter. 7 qts Phillips 20W-50. CH48103-1. Cut & inspected filter and found no debris. Ground run and found no leaks. <i>Jeffery Reed</i> 351935029
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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Willamette Aviation Service, LLC

23115 Airport Rd. NE

Aurora, OR 97002

Make: CESSNA

Model: 177RG

Reg. No.: N52696

Date: 06/03/15

S/N: 177RG1252

Tach Time: 2588.43

Engine Log

Type: IO360A1B6D

S/N: L-17350-51A

Total Time: 2588.43

SOH: 842.43

Completed a 100 Hour/Annual Inspection IAW 14 CFR 43 Appendix D.
 Changed oil and filter, p/n CH48103-1. Cut open old filter to check for contaminants. None noted. Serviced engine with 8 quarts of Phillips X/C 20-50.
 Complied with AD 2015, effective date 3/11/2015 by inspection. DNA has rear mounted prop governor.
 Complied with AD 2011-26-04 and SB 342 F by inspecting external fuel lines. Next due at tach time 2688.43.
 Removed all spark plugs. Cleaned, gapped, tested and re-installed using new plug gaskets, p/n M674.
 Took off safety wire and tightened filler tube and re-satisfied.
 ADs checked through 5/29/2015.

I certify that this engine was inspected IAW a 100 Hour/Annual Inspection and was determined to be in airworthy condition for return to service. Jeffery Reed A&P 2792869 IA. *Jeffery Reed*



1977 Cessna, C-177RG, N52696, S/N 177RG1252, Tach: 2610.68 Engine: Lycoming IO-360-A1B6D, S/N L-17350-51A, TTE: 2610.68, SMOH: 864.68. Drain crankcase oil and oil cooler oil, remove oil filter, fill crankcase with 7 qts. AeroShell 15W-50. Replace CH48103-1 oil filter, cut and inspect oil filter, no substantial debris detected. Solvent wash engine and nose gear. Static run engine, leak check, satisfactory. See work order #9649-CM.
 Date: 28 Mar, 2016 Signed: *C. Michael Kunde* 2478883AP

INSPECTION & MAINTENANCE RECORD

Willamette Aviation Service, LLC

23115 Airport Rd. NE

Aurora, OR 97002

Make: CESSNA
Date: 07/01/16

Model: 177RG
S/N: 177RG1252

Reg. No.: N52696
Tach Time: 2627.32

Engine Log

Type: IO360A1B6D
Total Time: 2627.32

S/N: L-17350-51A
SOH: 881.32

Complied with a 100 Hour/Annual Inspection IAW 14 CFR 43 Appendix D.
Compression check is as follows: #1-76/80, #2-77/80, #3-74/80, #4-78/80.
Complied with AD 2015-19-07 IAW Service Bulletin 342G dated January 23, 2014. Supplement 2. No defects noted.
next due at tach time 2727.32 or when any clamps are loosened, moved or taken loose.
Changed oil and filter, p/n AA48103-2. Cut open old filter to check for contaminates. None noted. Serviced engine with
8 quarts of Phillips 20W-50 and 6oz. of LW16702 oil additive.
Cleaned, gapped, tested, and rotated spark plugs. Re-installed using new gaskets, p/n M674.
I certify that this engine was inspected IAW a 100 Hour/Annual Inspection and was determined to be in airworthy
condition for return to service. Jeffery Reed A&P 2792869 IA *Jeffery Reed*

Willamette Aviation Service, LLC

23115 Airport Rd. NE

Aurora, OR 97002

Make: CESSNA
Date: 08/03/17

Model: 177RG
S/N: 177RG1252

Reg. No.: N52696
Tach Time: 2654.38

Engine Log

Type: IO360A1B6D
Total Time: 2654.38

S/N: L-17350-51A
SOH: 908.38

Completed a 100 Hour/Annual Inspection IAW 14 CFR 43 Appendix D, IAW Lycoming Service Manual.
Installed new crush gasket under screen plug, p/n MS35769-21 IAW Lycoming Service Manual.
Drained oil and changed filter, p/n AA48103-2. Cut open old filter to check for contaminates. None noted. Serviced
engine with 8 quarts of Phillips X/C 20W/50 and one pint of LW16702 oil additive IAW Lycoming Service Manual.
Complied with AD by inspecting fuel lines IAW paragraph 1(ii) or any time clamps are moved or loosened Service
Bulletin 342G dated January 23, 2014. Supplement #2. No defects noted. Next due at total tach time 2754.38.
I certify that this engine was inspected with an Annual Inspection and was determined to airworthy condition for return
to service. Jeffery Reed A&P 2792869 IA. *Jeffery Reed*

INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME

Willamette Aviation Service, LLC

23115 Airport Rd. NE

Aurora, OR 97002

Make: CESSNA
Date: 09/07/18

Model: 177RG
S/N: 177RG1252
Type: IO360A1B6D

Reg. No.: N52696
Tach Time: 2678.65
S/N: L-17350-51A

Engine Log

Complied with an annual inspection ^{MA 9-7-18} inspection IAW FAR 43 Appendix "D" and by referencing applicable checklists and inspection documents provided in Lycoming operators manual (60297-12) dated 12/01/2009. Complied with AD 2015-19-07 (Fuel lines) by visual inspection IAW SB 342G. No defects noted. inspect next at 2778.65 hours tach time. Checked AD's through 9-4-2018. 500 Hour magneto OH recommended at next annual inspection. Magneto timing within specification (25° BTDC LEFT)(25° BTDC RIGHT) Cylinder compressions were as follows: #1 (76/80) #2 (74/80) #3 (78/80) #4 (76/80) All compressions within specification. Drained oil, removed and inspected oil filter. No defects noted. Replaced oil filter with new filter P/N (Tempest) AA48103-2. Replenished engine oil with 8 quarts Phillips 20W-50. Sparkplugs removed, inspected, cleaned, gapped, and tested. Replaced 8 Sparkplugs P/N URHM38E with new plugs P/N (Champion) RHM38E referencing Lycoming SI# 1042AF. I certify this Engine was inspected in accordance with an annual inspection and a list of discrepancies and unairworthy items dated 9-7-2018 has been provided for the aircraft owner or operator. Nathanael Rieben A&P 3734424 IA

Nathanael Rieben

Willamette Aviation Service, LLC

23115 Airport Rd. NE

Aurora, OR 97002

Make: CESSNA
Date: 09/18/18

Model: 177RG
S/N: 177RG1252
Type: IO360A1B6D

Reg. No.: N52696
Tach Time: 2678.65
S/N: L-17350-51A

Engine Log

I certify that this engine has Lycoming additive LW-16702 added to the engine oil and a leak check has been performed with no discrepancies noted IAW Lycoming engine operators manual (60297-12) dated. 12-01-2009. This maintenance entry satisfies all engine discrepancies itemized in the annual dated 09-07-2018. This engine is as of this date approved for return to service with no further discrepancies. Nathanael Rieben A&P 3734424 IA

Nathanael Rieben

ENGINE LOG

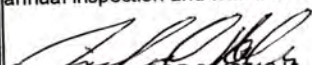
TAC. TIME 2,693.3
TOTAL TIME 2,693.3

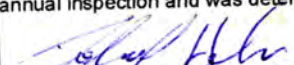
DATE 12/03/2018
DA SERIAL # L-17350-51A
MODEL 0-3602-A1B6D

Replaced engine oil filter element with Tempest AA48103-2, inspected oil filter element no defects found. Changed engine oil engine filled with 7qts of Aeroshell 100W Plus. Added 11.2 oz of Camguard oil additive-End-

Edward A. Backus
A&P 2923623 IA



COASTAL VALLEY <i>Aviation Inc.</i> (805)928-7701 • www.cvamx.com	ENGINE DATE: 10/23/2019 N52696 Tach: 2706.15 TSMOH: 959.95
Lycoming IO360-A1B6D SN L17350-51A	
1. Compression check IAW Lycoming SI 1191A #1-63/79, #2-74/80, #3-72/80, #4-79/80	
2. C/W AD 2015-19-07 Fuel Injection Lines by visual inspection Next due: 2806.15 Tach (100 hrs)	
3. Changed oil & filter, serviced w/Philips 20W-50 and Camguard	
4. Cleaned, gapped, tested, and rotated spark plugs	
5. Replaced #2 & #3 cylinder intake flange gaskets with new	
6. Reinstalled Magneto SN 838268 after 500 hour inspection by RS # XB2R286L	
7. Replaced all turbo system oil hoses with new per STC SE4082NM ICA, Next due: 10/2029 (10 yrs)	
8. Replaced V-band clamp with new per STC SE4082NM ICA Next due: 3106.15 (400 hrs)	
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.	
 Richard Holder A&P 3340719 IA	

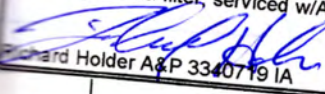
COASTAL VALLEY <i>Aviation Inc.</i> (805)928-7701 • www.cvamx.com	ENGINE DATE: 10/13/2019 N52696 Tach: 2729.20 TSMOH: 983.0
Lycoming IO360-A1B6D SN L17350-51A	
1. Compression check IAW Lycoming SI 1191A #1-50/80, #2-78/80, #3-78/80, #4-77/80	
2. C/W AD 2015-19-07 Fuel Injection Lines by visual inspection Next due: 2829.2 Tach (100 hrs)	
3. Changed oil & filter, serviced w/Aeroshell 100 Str Mineral Oil	
4. Cleaned, gapped, tested, and rotated spark plugs	
5. Removed & Reinstalled #1 Cylinder after repair by RS #T22R537Y	
6. Replaced clamp at #2 fuel injector line	
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.	
 Richard Holder A&P 3340719 IA	

COASTAL VALLEY Aviation Inc.

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Recomming IO360-A1B6D SN L17350-51A

Changed oil & filter, serviced w/Aeroshell W100


Edward Holder A&P 3340719 IA

ENGINE
DATE: 10/21/2020
N52696
Tach: 2739.7
TSMOH: 993.5

MAINTENANCE RECORD

DATE AND OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

N52696 ENGINE LOG ENTRY

DATE 12/05/2020
SERIAL # L-17350-51A
MODEL IO-360-A1B6D

TAC TIME 2,762.3.2

Changed engine oil filled with 7 quarts of Areoshell 100W Plus and 11 oz. of Camguard. Installed a new Tempest AA48103-2 filter. Cut opened and inspected removed oil filter no defects found. Test ran engine and checked for leaks.

Edward A. Backus

A&P 2923623 IA




N52696 ENGINE LOG ENTRY

DATE 04/27/2021
D/ SERIAL # L-17350-51A
MODEL IO-360-A1B6D

TAC TIME 2,762.51

Removed turbocharger inlet and outlet check valves. Cleaned and inspected valves installed new oring in inlet check valve performed leak down check on both valves. Reinstalled valve with a new oring on the outlet valve. Test ran engine and checked for leaks.

Edward A. Backus

A&P 2923623 IA 

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