

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. 6213R

Engine Manufacturer Lycoming

Model O-360-F1A6

Serial No. L-27594-36A

Date installed on aircraft 3 Oct 2006

Time Between Overhauls (TBO) 2000 Hours

ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS

TT _____ TSMOH 2.1 (test run)
Model O-360-F1A6 S/N L-27594-36A

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with manufactures specifications and current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repairs are on file at this repair station under,

Work order no. 20115

Date Sept. 19, 2006 Signed Mark L. Lichten for

FAA CERTIFIED REPAIR STATION# DC2R763K.

CUSTOM AIRMOTIVE, INC.
2702 N. SHERIDAN, BLDG. B
TULSA, OK 74115
PH. (918)836-6836 FAX (918)836-9431

Carburetor and prop gov. were also overhauled (see tags). Magnetos, ignition harness, spark plugs, oil filter, and fuel pump are new. This engine was equipped with NEW LYCOMING NITRIDED/STEEL P/N 05K21104 cylinders during this overhaul.

AIRWORTHINESS DIRECTIVES FOR: TYPE CERTIFICATE NUMBER E-286
MODEL O-360-F1A6 S/N L-27594-36A WO# 20115 TT _____

A.D.#	METHOD OF COMPLIANCE
59-10-07	P/C/W; HAD PROPER BAFFLES AND ASSOC. PARTS.
64-16-05	C/W BY USE OF A NEW P/N LW-15472 PUMP.
66-20-04	C/W; USED CORRECT GASKET W/ADAPTER.
75-08-09	P/C/W (ALSO SEE AD#96-09-10).
87-10-06R1	N/A PER S/N OR THESE ROCKER ARMS.
90-04-06R1	N/A PER MODEL OR S/N.
92-12-05	N/A TO THESE NEW LW14078 PINS.
95-07-01	N/A; USED NEW SL75061 ROD BOLTS.
95-26-02	N/A TO THIS ENGINE.
96-09-10	C/W; USED NEW SL18109AS KIT (05K19423-S EQUIV.).
97-15-11	N/A TO THESE NEW LW14078 PINS.
98-02-08	N/A; CONSTANT SPEED PROP.
98-17-11	N/A; CRANKSHAFT WAS NOT SENT TO NELSON.
04-10-14	C/W SB475C IN ITS ENTIRETY.
05-19-11	N/A TO THIS SERVICEABLE CRANKSHAFT S/N V695.
06-06-16	N/A TO THIS SERVICEABLE CRANKSHAFT S/N V685.
06-10-21	N/A TO THESE GENUINE LYC. CONN. RODS.
06-12-07	N/A TO THESE GENUINE LYC. CYLINDERS.

SIGNED Mark L. Lichten FOR CRS# DC2R763K ON Sept. 19, 2006

SUB-TOTALS this

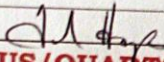
ALTUS AIRCRAFT REPAIR, Inc. 15631 South CR 207 Blair OK 73526
 888-349-2238 (888-FIX-ACFT)

MAKE	Cessna	MODEL	172RG	SERIAL #	172RG0118
AIRCRAFT N #	6213R	W/O #	6213R102006	TACH TIME	1652.
DATE	18 Oct 2006	ACFT TOT TIME	1652	TSMOH	2.1 1654.1

Engine removed for overhaul. Removed engine mount, cleaned, painted, reinstalled. Engine installed using new Lord mounts and hardware. Overhauled alternator installed, W/O # 8919. Overhauled by Modified Aircraft Accessories Inc. The following items were installed: New starter, P/N MHB6016, Overhauled vacuum pump, P/N 211CC, W/O # 19455. New Oil Cooler, P/N 8000075. All hoses. Alternator belt. Propeller governor overhauled, W/O # 46525, Quality Aircraft Accessories, Inc. All SCAT ducting replaced. Engine baffles repaired and seals installed. Installed JPI Scanner system. Serviced with Phillips 20W50XC oil. Ground ran. Installed New 3-Blade propeller and spinner assembly. P/N B3D36C429/82NPA-6. Released back into service.

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

Fred Harper



A&P, I/A # 261635637

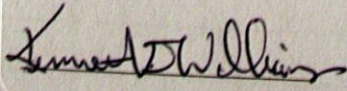
ALTUS/QUARTZ MOUNTAIN REGIONAL AIRPORT (KAXS)

Nov 2 2007

1739.2

Nov 2 2007
 Tach Time: 1739.2

Run Aircraft. Did compression check #1-72; #2-70; #3-72; #4-70. Changed oil and filter 8qts of 20w/50XC. Inspected screens and filters, no debris clean and gap plugs. Checked mag timing; washed engine down and checked for leaks lubed all engine control point. Changed air filter.

 A# 2988462

Red River Aviation 580-471-6143

MAKE	Lycoming	MODEL	0-366-F1A6	SERIAL#	L-27594-36 A
AIRCRAFT N#	6213R	W/O #	010620096213R	TACH TIME	1741.2
DATE	01/06/2009	ACFT TOT TIME	1741.2	TSMOH	91.3

I certify that this ENGINE has been inspected IAW a 100 Hour inspection and found to be in an AIRWORTHY condition. Compressions: 1-78 2-76 3-74 4-78/80, Removed and inspected exhaust system, Replaced air filter BA5805, R&R 8qts Phillips 20W50 XC oil with filter CH48110-1 cut open old filter no debris found, Cleaned, inspected and gapped plugs installed with new copper gaskets. R&R electric fuel pump, Cleaned engine and compartment, test ran engine satisfactory. See A.D. list.....

Fred Harper
FRED HARPER 3201707 I/A A/P

Red River Aircraft Repair, LLC
15985 US Hwy 283, Hangar 32
Altus, OK 73521



Date: 1/07/2010; Aircraft: N6213R; Type: 172RG; S/N: 172RG0118; Hobbs: 33.80; Tach: 1794.00; Total Time: 1794.00; Engine - Type: S/N: Time: 144.10, SMOH: 144.10; Prop - Type: S/N: Time: 142.00, SMOH: 142.00; Work Done At - Airframe Time: 1794.00, Engine Time: 144.10,

I certify that this ENGINE has been inspected I.A.W. a 100hr inspection per Lycoming and cessna service manuals and FAR 43 appendix (D), and was determined to be in an airworthy condition. Compressions; 1-79, 2-78, 3-76, 4-78/80. Repaired left magneto P-lead. R&R 7qts Phillips 20W50XC oil with filter, cut open old filter no debris found. Oil sample taken. Cleaned, inspected, gapped spark plugs installed with new copper gaskets. Inspected carb fuel filter and gascolator, Replaced air filter element BA-5805. Inspected exhaust system. Cleaned engine and compartment, test ran engine found satisfactory. See A.D. list.....

Fred Harper
Fred Harper AP/ IA 3201707

580-471-6143 **HARPER AEROMOTIVE**

MAKE	Lycoming	MODEL	O-360-F1A6	SERIAL #	L-27594-36 A
AIRCRAFT N#	6213R	W/O #		TACH TIME	1808.6
DATE	01/27/2012	ACFT TOT TIME	1808.6	TSMOH	156.6

Compressions; 1-77, 2-76, 3-78, 4-77/80. Checked mag timing. R&R oil with filter. Cut open old filter no debris found. Cleaned, inspected and gapped spark plugs installed with new copper gaskets. Cleaned engine test ran found satisfactory.

I certify that this ENGINE has been inspected I.A.W. a 100hr inspection per Lycoming service manual and FAR 43 (D) and was determined to be in an airworthy condition..

Fred Harper
FRED HARPER A/P 3201707 I/A

SUB-TOTALS this

SERVICE			TOTALS brought forward from previous page
5-29-2013	168.0	1819.4	COMPLETED ENGINE 100HR/ANNUAL INSPECTION. CHANGED OIL (AEROSHELL 15W50) & FILTER CLEANED / GAPPED SPARK PLUGS. CYLINDER COMP: #1-75, 2-75, 3-75, 4-68/80 REPLACED STARTER WITH NEW HARTZELL. ENGINE WASHED, RUN & RETURNED FOR SERVICE. DON BULSINGER IA 1564797.
6-25-2014	1821.1		COMPLETED ENGINE 100HR/ANNUAL INSPECTION. COMP: #1-72, 2-75, 3-75, 4-75/80 REPAIRED CARB TEMP WIRING. ELT BATT DUE 11/2015 AIRCRAFT AD'S C/W AS FOLLOWS: 83-14-04 MUFFLER/SHROUD INSP. 01-23-03 MAP LIGHT SWITCH INSP. 76-07-12R1 IGNITION SWITCH OPS 2011-10-09 SEAT/TRACK INSP. AIRCRAFT FOUND AIRWORTHY AND RETURNED FOR SERVICE. DON BULSINGER IA 1564797.

DATE

IN SERVICE

OVERHAUL

Engine Logbook

7/24/2015

N6213R

Lycoming O-360 F1A6

Tach Hours: 1822 :: Aircraft TT: 1822 :: #1 Engine SMOH: 172 :: #1 Propeller TT: 172
Completed 100 Hour inspection in accordance with manufacturers inspection procedures manual.

- Checked timing and compression, 1) 70 2) 72 3) 72 4) 74.
- Replaced right side SCAT hose in engine compartment with new.
- Replaced engine sump plug gasket and engine oil quick drain with new.
- Replaced all valve cover gaskets with new.
- Replaced all intake gaskets with new.
- Replaced engine driven fuel pump overboard hose with new.
- Replaced #1 cylinder oil drain line with new.
- Repaired engine air filter inlet frame where cracked.
- Cleaned and gapped spark plugs.
- Test ran engine, ops ok, no leaks.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed

James Wrenn A&P 2724810IA



10/13/2016

N6213R

Cessna 172RG

Engine Logbook

Tach Hours: 1826.2

Engine 100 Hour Inspection completed this date in accordance with Manufacturers Maintenance Manual and 14CFR Part 43 Appendix D. Checked magneto timing and engine compression #1)76 #2)74 #3)76 #4)78.

- Relocated #2 cylinder oil drain line to prevent chafing on baffle. Secured line and installed rubber hose for chafe pad.
- Removed and replaced cracked airfilter inlet after repair by Triangle Welding.
- Complied with the following AD's:
- 83-14-04 - Muffler Shroud Inspection
- 76-07-12 R1 - Ignition Switch Inspection
- 93-05-06 - ACS Ignition Switches - PCW Diode installed, ACS switch replaced with new, P/N A-510-2, S/N 38754, MFG Date 03-17-2011 - Next Due 2000 ACTT.
- Inlet Repair by Triangle Welding

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed

James Wrenn A&P 2724810IA



9/14/2018

N6213R

Cessna 172RG

Engine Logbook

Hours: 245 -- Tach Hours: 1828.1

Engine 100 hour inspection completed this date in accordance with Manufacturer's Maintenance Manual and 14CFR Part 43 Appendix D. Checked magneto timing and engine compression 1) 72.2) 58.3) 58.4) 70. Charged oil and filter with 8 quarts of XC 20W/50 engine oil and one AA48110-2 oil filter.

Complied with AD's:

- 83-14-04 Muffler shroud inspection. OK
- 01-23-03 Wap light switch inspection. OK
- 75-07-12R1 Ignition switch inspection. OK
- 11-10-09 Seat track and roller inspection. OK
- 18-03-04 Pitot/Static system repair. Does not apply.
- 17-16-01 A/C ELT. Does not apply.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed

James Wrenn A&P Z724810A



7/21/2020

N6213R

Cessna 182RG

Engine Logbook

Tach Hours: 1831.2

100 Hr. Inspection completed this date in accordance with Cessna Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated cables, hinges and pulleys. Checked magneto timing and engine compression: 1. 70/80, 2. 68/80, 3. 70/80, 4. 70/80.

Charged oil and filter with 8 quarts of AS W/100+ engine oil and one AA48110-1 oil filter. No sample.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed

James Wrenn A&P Z724810A



TE

6/7/2022

N6213R

Cessna 172RG

Engine Logbook

Hobbs Hours: 80 :: Tach Hours: 1833

100 Hour Inspection completed this date in accordance with Cessna Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated cables, hinges and pulleys. Checked magneto timing and engine compression 1. 74/80, 2. 62/80, 3. 60/80, 4. 70/80.

Changed oil and filter with 8 quarts of AS w-100+ engine oil and one AA48110 oil filter. Took oil sample and sent to Blackstone Labs. Added one 12.8 oz can CamGuard.

#3 valve cover gasket leaking. Removed valve cover and old gasket. Cleaned cylinder head and valve cover. Installed valve cover with new gasket (7-14183) and torqued screws to Lycoming specs.

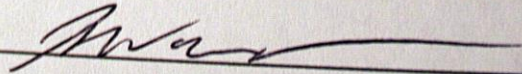
Accessory case block plate gasket leaking oil. Removed aft prop governor mounting block plate, removed old gasket. Installed plate with new gasket (PN 68315) and four new lock washers.

Oil hoses beyond life date. Removed old hoses. Fabricated and installed new hoses. (Aeroquip 306-8) Test ran engine, no leaks noted.

Fuel hoses beyond life date. Removed old hoses. Fabricated and installed new hoses. (Aeroquip 306-6) Test ran engine, no leaks noted.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed

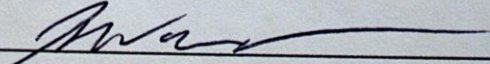


James Wrenn A&P 2724810 IA


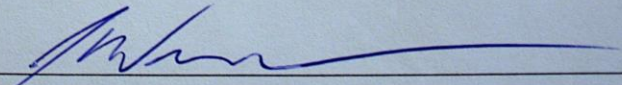


Hobbs Hours: 80 :: Tach Hours: 1833
 100 Hour Inspection completed this date in accordance with Cessna Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated cables, hinges and pulleys. Checked magneto timing and engine compression 1. 74/80, 2. 62/80, 3. 60/80, 4. 70/80.
 Changed oil and filter with 8 quarts of AS w-100+ engine oil and one AA48110 oil filter. Took oil sample and sent to Blackstone Labs. Added one 12.8 oz can CamGuard.
 #3 valve cover gasket leaking. Removed valve cover and old gasket. Cleaned cylinder head and valve cover. Installed valve cover with new gasket (7-14183) and torqued screws to Lycoming specs.
 Accessory case block plate gasket leaking oil. Removed aft prop governor mounting block plate, removed old gasket. Installed plate with new gasket (PN 68315) and four new lock washers.
 Oil hoses beyond life date. Removed old hoses. Fabricated and installed new hoses. (Aeroquip 306-8) Test ran engine, no leaks noted.
 Fuel hoses beyond life date. Removed old hoses. Fabricated and installed new hoses. (Aeroquip 306-6) Test ran engine, no leaks noted.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed 
 James Wrenn A&P 2724810 IA



wo: WO_317	Engine - page 1 of 1	
 Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847		
N6213R TACH: 1833.4	LYCOMING, O&VO-360 SER, S/N: L-27594-36A	July 11, 2024
100 Hour Inspection completed this date in accordance with Lycoming Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated cables, hinges and pulleys. Checked magneto timing and engine compression #1: 70/80 #2: 70/80 #3: 65/80 #4: 70/80. Changed oil and filter with 8 quarts of Aeroshell W100 Plus engine oil and one AA48110-2 oil filter. Cleaned and gapped Spark Plugs.		
I certify that this Engine was inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.		
James Wrenn A&P IA AP2724810 <u></u>		