


WESTERN
Skyways
 INC.

GOLD SEAL AIRCRAFT ENGINES

 21 Creative Place
 Montrose, CO 81401
 www.westernskyways.com

 (800) 575-9829
 (970) 249-0232
 FAX: (970) 249-4155

Engine Make: LYCOMING Model: IO-360-A3B6
 Serial Number: L-30479-51AC W/O No: W053869 Date: 21 DEC 2017
 Warranty Number: L17360 Warranty Start Date: 01/18
 Crankshaft Serial No: V537955107 Cylinder Part Number: LYC 05K21120 NEW

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: 60294-7-14 and Western Skyways, Inc. Repair Specification WSI-100 "Use and Application of Hylomar Sealant" dated 11/10/2010 on all Teledyne Continental Motor Engines and Lycoming Engines as applicable. See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 1535.0 Hrs.

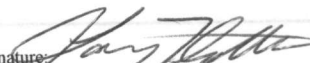
This engine meets requirements of LYCOMING SI 1009AY for 2000.0 Hour TBO

The accessories listed below were New or Overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
Mag:	BL-349365-9	F16GA037R	Hyd Pump	N/A	N/A
Mag:	BL-349305-1	F17BA167R	Wastegate:	N/A	N/A
Fuel Pump:	N/A	N/A	Alt/Gen:	N/A	N/A
Inj/Carb:	N/A	N/A	Relief Valve:	N/A	N/A
Man Valve:	2524232-2	111G	Prop Governor:	N/A	N/A
Starter:	149NL	H-R110326	Controller:	N/A	N/A
Turbo:	N/A	N/A	Controller:	N/A	N/A
			Pop-Off:	N/A	N/A

MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature: 
 Repair Station No. WS9R575J

Form 200

Cylinder S/N	Cylinder S/N
# 1: 126137-21	# 5: N/A
# 2: 126224-18	# 6: N/A
# 3: 126225-20	# 7: N/A
# 4: 126225-11	# 8: N/A

DATE

TACH
RECORD
METE
TIME

Page 1 of 2

AD NOTES COMPLIANCE RECORD

Engine - Lycoming Engines - IO-360-A3B6

S/N: L-30479-51AC

Western Skyways Inc.

WS9R575J

W/O W053869

Appliance - Magnetos - TCM (formerly Bendix) S-1200 series

S/N: F16GA037R

P/N: BL-349365-9

S/N: F17BA167R



P/N: BL-349305-1

Model: S4LN-1227 & S4LN-1209

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
66-20-04	Oil filter adaptor gasket	21 DEC 2017 1535.0	Did not install gasket P/N: 74904.	X			Larry Flatten WS9R575J <i>HL</i>
71-05-02 R4	Crankshaft main bearings	21 DEC 2017 1535.0	N/A per engine serial number.		X	N/A	Larry Flatten WS9R575J <i>HL</i>
71-11-02	Hydraulic tappet plunger	21 DEC 2017 1535.0	N/A per engine serial number. Installed tappet P/N: 78290.	X			Larry Flatten WS9R575J <i>HL</i>
73-23-01	Piston pin failures	21 DEC 2017 1535.0	Installed piston pin P/N: LW-14078.	X			Larry Flatten WS9R575J <i>HL</i>
74-26-09	Bendix magnetos	21 DEC 2017 1535.0	N/A per magneto part number.	X			Larry Flatten WS9R575J <i>HL</i>
75-06-09	Oil pump	21 DEC 2017 1535.0	Installed Impeller kit, P/N SL18109A-S.	X			Larry Flatten WS9R575J <i>HL</i>
76-09-16	Fuel flow divider gasket	21 DEC 2017 1535.0	N/A per flow divider P/N: 2524232-2	X			Larry Flatten WS9R575J <i>HL</i>
82-13-01	Bendix magnetos	21 DEC 2017 1535.0	Verified green blocks not installed.	X	X	N/A	Larry Flatten WS9R575J <i>HL</i>
82-20-01	Bendix magnetos	21 DEC 2017 1535.0	N/A per magneto serial number.	X			Larry Flatten WS9R575J <i>HL</i>
90-04-06 R1	Prop governor oil line	21 DEC 2017 1535.0	Line inspected per MSB488. Line has steel ferrules and nuts.	X			Larry Flatten WS9R575J <i>HL</i>
92-12-05	Piston pin failure	21 DEC 2017 1535.0	Installed piston pins P/N: LW-14078.	X			Larry Flatten WS9R575J <i>HL</i>
94-01-03 R2	Teledyne/Bendix magnetos	21 DEC 2017 1535.0	N/A per magneto serial number.	X			Larry Flatten WS9R575J <i>HL</i>
94-06-09	Teledyne/Bendix magnetos	21 DEC 2017 1535.0	N/A per magneto serial number.	X			Larry Flatten WS9R575J <i>HL</i>
95-26-02	Low octane detonation	21 DEC 2017 1535.0	Engine inspected during overhaul.	X			Larry Flatten WS9R575J <i>HL</i>
96-09-10	Oil Pumps	21 DEC 2017 1535.0	Installed impeller kit P/N: SL18109A-S.	X			Larry Flatten WS9R575J <i>HL</i>
97-15-11	Piston pin	21 DEC 2017 1535.0	Installed piston pin P/N: LW-14078.	X			Larry Flatten WS9R575J <i>HL</i>
98-02-08	Crankshaft corrosion	21 DEC 2017 1535.0	N/A per engine model.		X	N/A	Larry Flatten WS9R575J <i>HL</i>

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AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
98-17-11	Crankshafts	21 DEC 2017 1535.0	Crankshaft S/N: V537955107 visual, dimensional and magnetic particle inspected.	X			Larry Flatten WS9R575J <i>HL</i>
2004-10-14	CORRECTION - Prevent loosening or failure of the crankshaft gear retaining bolt	21 DEC 2017 1535.0	Inspected per MSB475C. Installed gear with NEW bolt, P/N: STD-2247 and NEW lockplate.		X	Anytime engine experiences a prop strike or gear train work is required.	Larry Flatten WS9R575J <i>HL</i>
2005-12-06	Prevent failure of the magneto impulse coupling assembly	21 DEC 2017 1535.0	N/A per engine model.		X	N/A	Larry Flatten WS9R575J <i>HL</i>
2005-19-11	Prevent failure of the crankshaft	21 DEC 2017 1535.0	N/A per crankshaft S/N: V537955107.	X			Larry Flatten WS9R575J <i>HL</i>
2006-06-16	To prevent failure of the crankshaft	21 DEC 2017 1535.0	N/A per crankshaft S/N: V537955107.	X			Larry Flatten WS9R575J <i>HL</i>
2012-03-07	To address a "machined-from-billet" HA-6 carburetor having a loose mixture control sleeve that rotated in the carburetor body	21 DEC 2017 1535.0	N/A HA-6 carburetor not used on this engine.	X			Larry Flatten WS9R575J <i>HL</i>
2012-19-01	To prevent failure of the crankshaft	21 DEC 2017 1535.0	N/A per crankshaft S/N: V537955107.	X	X	N/A	Larry Flatten WS9R575J <i>HL</i>
2017-16-11	Engine Connecting Rod Assemblies Integrity	21 DEC 2017 1535.0	Installed rod end bushing P/N: SL13923A.	X			Larry Flatten WS9R575J <i>HL</i>

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>WESTERN Skyways INC. GOLD SEAL AIRCRAFT ENGINES 21 Creative Place Montrose, CO 81401 CRS # WS9R575J</p> </div> <div style="width: 50%;"> <p>Engine Model: IO-360-A3B6 conv IO-360-A1B6</p> <p>Serial Number: L-30479-51AC</p> <p>Time: 1535.0 TTE</p> <p>Work Order: W053869 Date: 21 DEC 2017</p> </div> </div> <p>Converted engine during overhaul from an IO-360-A3B6 to an IO-360-A1B6 utilizing Lycoming Parts Catalog PC-406-1 dated November 1999. Added "C" suffix to the engine serial number in accordance with Lycoming SI 1304J.</p> <p style="text-align: right;">Signed:  Larry Flatten CRS# WS9R575J</p> <p>Form 201E</p>

TORNADO ALLEY TURBO INC.
300 AIRPORT RD
ADA, OK 74820

ENGINE LOG BOOK ENTRY
3 APRIL 2018



N2007Q CESSNA 177RG SN: 177RG0407 HOBBS: 4986.0 TACH: 4743.0
LYCOMING IO-360-A3B6 SN: L-30479-51AC ENG TT: 1535.0 ENG TSMO: 0.0

REMOVED LYCOMING IO-360-A1B6D S/N L-11259-51A AND INSTALLED WESTERN SKYWAYS OVERHAULED LYCOMING IO-360-A3B6 S/N L-30479-51AC WITH NEW ENGINE MOUNT ISOLATORS. SEE ENGINE LOG BOOK ENTRY DATED 12/21/2017 FOR OVERHAUL DETAILS. TURBO SYSTEM OVERHAULED AND REINSTALLED USING TORNADO ALLEY TURBO INSTALLATION INSTRUCTIONS 77-6760001, REV H 14 SEP 2015, MASTER DRAWING LIST D-177RG-100 REV J, 19 NOV 2015 AND CESSNA SERVICE MANUALS. REFER TO AIRPLANE FLIGHT MANUAL SUPPLEMENT AFMS C-177RG SYS III AND 77-6460004 FOR OPERATION AND CONTINUED AIRWORTHINESS.

INSTALLED O/H FUEL PUMP 103586-01 S/N ODMH01

INSTALLED O/H FUEL SERVO 2524054-11 S/N 70DN2602

INSTALLED O/H WASTEGATE 470842-9004 S/N TKR0104P

INSTALLED O/H ALTERNATOR DOFF10300J S/N H-R060810

INSTALLED O/H MP CONTROLLER 470688-9005 S/N NFN00065

INSTALLED O/H PROP CONTROLLER C290D2J/T11 S/N 732069

INSTALLED O/H TURBOCHARGER 466642-9005 S/N H-OER00057

REFURBISHED AND REINSTALLED EXHAUST MANIFOLDS, WASTEGATE MANIFOLD, CABIN HEATER, TAIL PIPE.

INSTALLED ALL NEW TURBOCHARGER AND EXHAUST GASKETS AND HARDWARE. INSTALLED NEW V-BAND CLAMP.

INSTALLED NEW FLUID CARRYING HOSES AND PROP CONTROL CABLE.

REMOVED ENGINE MOUNT FOR REPAIR, REPAINTED, REINSTALLED. REPLACED NOSE GEAR SQUAT SWITCH.

REPLACED MIXTURE CABLE BRACKET. INSTALLED INDUCTION CHECK VALVE. OVERHAULED ELEC BOOST PUMP.

REMOVED LYC FUEL NOZZLES AND INSTALLED TURBOGAMIJECTORS KIT # GT15B-177RG S/N 25566 STC SE09445SC IAW

INSTALLATION PROCEDURE NO IP-98-002 REV D. UPDATED W&B AND AFMS

RUN-UP, LEAK CHECK, OP'S, & TEST FLIGHT OK. APPROVED FOR RETURN TO SERVICE.

AIRCRAFT WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS, ADVISORY CIRCULARS, AND APPROPRIATE MANUFACTURER'S MANUALS.

WESLEY JENKINS A&P 3041696 IA

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
1-JAN-19		<p>Completed an annual inspection on this date 1-JAN-19. Compression check as follows #1 78/80 #2 76/80 #3 78/80 #4 78/80. Borechecked all cylinder Rings are seating and bottoms of the valves nearly new condition.</p> <p>Retlocked prop (1) hole to the right and retimed Manetos. Inspected the propeller after turning.</p> <p>this engine & prop are air worthy and may be returned to service.</p> <p>J. M. D. Frier Atp-1375010-1A</p>



**WESTERN
Skyways**
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: IO-360-A3B6

Serial Number: L-30479-51AC

Time: 1579.53 TTE

Work Order: Q030146

Date: 22 JAN 2020

Engine previously converted from an IO-360-A3B6 to an IO-360-A1B6. See logbook entry dated 21 DEC 2017.

Engine was disassembled and inspected for case change. Installed serviceable crankcase Casting Number 20061R/L, M/N: 7098 certified by Crankcase Services Inc. under their W/O 22410 dated 01 JUL 2014. Complied with AD 2004-10-14 and MSB-475 by inspecting crankshaft counter bore recess and installing a dowel, crankshaft gear, new bolt, P/N: STD-2246 and new lockplate. Complied with AD90-04-06 inspection of prop governor oil line. Line was inspected, has steel ferrules and nuts, and steel fittings installed in case and accy housing.

Complied with AD 2015-19-07 by inspecting and installing lines per MSB 342G. Next due 1689.53 TTE hours or whenever lines or clamps are removed or loosened.

Complied with AD 2017-16-11 and MSB 632 by completion of the connecting rod bushing press out verification procedure using tool P/N: ST-531. Bushings did not move.




Engine was reassembled using new rod and main bearings, rod bolts and nuts, gaskets and seals, new counter weight pins, plates, and snap-rings. Engine was run in a test cell for leak and operations check. All work was done per Lycoming Overhaul Manual 60294-7-14, Table of Limits and applicable service publications.

The engine and/or component identified above were repaired and inspected IAW current FAA Regulations and found Airworthy for Return to Service. Pertinent details of this repair are on file at this Repair Station under above work order.

Signed:

Larry Flatten

Larry Flatten
CRS# WS9R575J

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
	03/01/2020 ETSOH 44.53	N2007Q	Tach 4787.53 ETT 1579.53
		<p>Removed engine and sent to Western Skyways for repair. Reinstalled engine after repair by Western Skyways see W/O Q030146. Ground ran leak and operational check good. Performed a 100 hour inspection on engine per CFR 43 appendix D, using Against The Wind checklist. Serviced engine with Phillips 20W50 M. Performed a cold cylinder compression check. #1 75/80 #2 78/80 #3 79/80 #4 78/80. Cleaned gapped and pressure tested sparkplugs. Timed magnetos to engine.</p> <p>I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be airworthy at this time and date.</p> <p> Edward Fandrich A&P 3453275</p>	
	05/01/2021 ETSOH 66.8	N2007Q	Tach 4809.8 ETT 1601.8
		<p>Performed a 100 hour inspection on engine per CFR 43 appendix D, using Against The Wind checklist. Performed a cylinder compression check. #1 77/80 #2 77/80 #3 78/80 #4 77/80. Cleaned gapped and pressure tested sparkplugs. Checked magneto to engine timing. Complied with AD 2015-19-07 by inspection of the fuel injector lines. Due again at tach 4909.8.</p> <p>I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be airworthy at this time and date.</p> <p> Edward Fandrich A&P 3453275</p>	
	09/21/2022 ETSOH 70.32	N2007Q	Tach 4813.32 ETT 1605.32
		<p>Performed a 100 hour inspection on engine per CFR 43 appendix D, using Against The Wind checklist. Drained oil and removed filter, cut and inspected filter no metal found. Installed new AA48110-2 filter and serviced with Phillips 20W50 XC. Ground ran leak and operational check good. Performed a cold cylinder compression check #1 78/80 #2 77/80 #3 78/80 #4 78/80. Cleaned gapped and pressure tested spark-plugs. Check magneto to engine timing. Complied with AD 2015-19-07 by inspection of fuel injector lines. Due again at tach 4913.32.</p> <p>I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be airworthy at this time and date.</p> <p> Edward Fandrich A&P 3453275</p>	

DATE

10/17/2023
ETSOH 71.25

N2007Q

Tach 4814.25
ETT 1606.25

Performed a 100 hour inspection on engine per CFR 43 appendix D, using Against The Wind checklist. Drained oil and removed filter, cut and inspected filter, no metal found. Installed new AA48110-2 and serviced with Phillips 20W50 XC. Ground ran leak and operational check good. Cleaned, check gap, and pressure tested spark-plugs. Checked magneto to engine timing. Performed a cylinder compression check #1 75/80 #2 77/80 #3 76/80 #4 76/80.

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be airworthy at this time and date.



Edward Fandrich A&P 3453275



2650 W Shamrell Blvd
Flagstaff Pulliam Airport
Flagstaff, AZ 86001
928.779.9585 Phone
928.779.9586 Fax

N2007Q

Engine

Tach: 4822.62

WO# 1706

SMOH: 79.62

ETT: 1606.25

March 13th, 2024

→ Removed MT Propeller MTV-12B, SN: 150188 TSMOH: 69.87. All Engine Accessories, Lycoming Engine IO-360-A1B6, SN: L-30479-51AC TSMOH: 71.25. Nose gear assembly, and Engine Mount for Inspection due to Nose Gear failure and Propeller Strike during landing. All work was performed in reference to the Cessna 177RG Service Manual, Lycoming IO-360 Maintenance Manual, General Aviation Modification STC SA4081NM/SA4082NM ICA Doc # 77-6460004 Rev. D, MT Propeller maintenance manual.

→ Luke Thompson 4046960 A&P

→ Ray Manquero 4878327 P

DATE: 07/16/2024
 TACH OR RECORDING METER: MODEL: IO-360-A1B6
 S/N: L-30479-51AC
 TACH READING: TTE: 1614.62
 TSMOH: 79.62
 DESCRIPTION OF WORK PERFORMED - AIRCRAFT ENGINE SPECIALISTS, LLC
 2330 SOUTH AIRPORT BOULEVARD, SUITE #5
 CHANDLER, ARIZONA 85286
 (480) 516-0390 CRS # ZF7R278Y

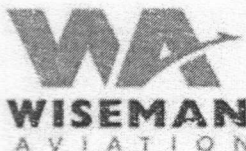
This engine has been repaired in accordance with the Lycoming Overhaul Manual 60294-7-14. Applicable FAA Airworthiness Directives and manufacturer service bulletins have been complied with, see AD sheet. NDT wo N2525-24-04. Hardware cadmium plated at Warner Propeller invoice #42278. The engine crankcase parting surfaces have been sealed in accordance with AES repair specification RS AES-2330R1. This engine has been previously converted from an IO-360-A3B6 and modified by STC SE4082NM and SE09445SC. Accessory housing repaired Divco wo 142397. Connecting rods repaired ACSS wo 276055. Prop governor housing repaired Divco wo 17320. Crankshaft 13B47221 sn V537955107, serviceable. Camshaft repaired ACSS wo 284859. Lifters overhauled ACSS wo 285380. Counterweights repaired ACSS wo 285384. Lycoming cylinders LW12993 repaired AES wo C7680-24-04. Fuel pump 103586-01 sn ODMH01, serviceable. Right magneto BL-349305-1 sn F17BA167R overhauled Quality Aircraft Accessories wo M143950. Left magneto BL-349365-9 sn F16GA037R Quality Aircraft Accessories wo M125230. Starter 149NL sn H-R110326, serviceable. Engine test run and was found to be in an airworthy condition. Further details of this engine repair may be found at this facility under work order E6188-24-03.

James Wheeler

Parts Used on WO# E6188-24-03

1	61503	SLEEVE	2	AA48110-2	FILTER	6	MS27039-1-08	MACHINE SCREW
1	70484	SCREEN	2	SL13884A	BEARING, FRONT MAIN	6	SL16266-10-13	CLAMP
1	72703	DRAIN BACK TUBE ASSY	2	SL14W21696	ROLLER	8	71549	WASHER
1	74070	ELBOW	2	SL66713A	GUIDE, INTAKE	8	72050	KEY, VALVE
1	78742	INTAKE PIPE	2	SL72797	ROLLER	8	15B21319	SOCKET-HYD TAPP
1	78744	INTAKE PIPE	2	STD-1882	SCREW	8	15B26066	PLUNGER, HYD UNIT
1	23D26777	PLUNGER	2	STD-596	NUT	8	17C21191	KEY-VALVE EXH
1	74996 U/S	GEAR U/S	3	SL31H-0.88	BOLT	8	951391-F	PACKING
1	75441-1	SEAL & GASKET	4	73772	NOZZLE ASSY	8	LW-14820	RING
1	AEL61163	GEAR	4	74494	PLATE	8	SL12186	NUT
1	APS12098-210	TUBE ASSY	4	14H21950	OIL RING 5.125	8	SL13212A	BEARING
1	LW-16266-25-38	CLAMP	4	31C-12	STUD .3125-18 X 1.50	8	SL66670	BUSHING
1	MS16625-2081	RETAINING RING	4	630965 U/S	SHIELD, U/DECK	8	SL71907A	WASHER
1	SL13622	VALVE	4	LW-14078	PIN, PISTON	8	SL72255	TUBE, PUSH ROD
1	SL15F19957-56	PUSHROD	4	SL16266-10-75	CLAMP	8	SL74241A	RING
1	SL61665	GEAR (360)	4	SL16711A	BEARING	8	SL75060	ROD BOLT
1	SL-STD-1211	PLUG	4	SL73810	BUSHING	10	MS49005-2	PLUG
1	STD-1221	RING	4	SL75838A	GUIDE, EXHAUST NI-RESIST	10	MS90725-8	BOLT
1	STD-1930	HOSE	4	STD-2180	HOSE	16	15H21201	SPRING - SHROUD TUBE
1	STD-2168	NUT	5	MS27769-1	PLUG			
1	STD-2246	SCREW	6	MS21044N3	NUT			

-END-



2650 W Shamrell Blvd
 Flagstaff Pulliam Airport
 Flagstaff, AZ 86001
 928.779.9585 Phone
 928.779.9586 Fax

N2007Q

Engine

Tach: 4822.62

WO# 1706

SMOH: 79.62

ETT: 1614.62

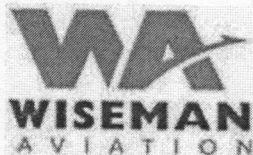
August 21, 2024

→ Re-installed Magnetic Particle Inspected Engine Mount, Landing Gear Nose assembly, Repaired Lycoming Engine IO-360-A1B6, SN: L-30479-51AC, TSMOH: 79.62 ETT: 1614.62, all Engine Accessories including Overhauled Oil Cooler PN: 8001956, SN: 5680035, Flushed oil system lines, New Tornado Alley RH Exhaust Assembly PN: 77-6850008, Tornado Alley New Tail Pipe Assembly PN: 77-6850010, and Overhauled Hartzell Propeller PN: HC-C2YR-1N/NG8301-5, SN: NS3624B, TSMOH: 0.0, TTSN: 71.25 onto the Airframe SN: 177RG0407. All work was done in reference to the Cessna 177RG Service Manual, Lycoming IO-360 Maintenance Manual, General Aviation Modification STC SA4081NM/SA4082NM ICA Doc# 77-6460004 Rev. D, Hartzell Propeller Manual 145 Rev. 24, and the General Aviation Modification STC SA09871AC ICA Doc# 77-7560003 Rev. A, and was found to be in an airworthiness condition.

→ Randall T Hamilton 2740756 IA/AP

→ Luke Thompson 4046960 A&P

Ray Manquero 4878327 P



2650 W Shamrell Blvd
Flagstaff Pulliam Airport
Flagstaff, AZ 86001
928.779.9585 Phone
928.779.9586 Fax

N2007Q

Engine

Tach: 4832.87

WO# 1959

SMOH: 89.87

ETT: 1624.87

October 21, 2024

**FORMED –
PERFORMING WORK**

Completed annual inspection in accordance with Cessna 177RG series manual.

- Compression test: #1 74/80 #2 74/80 #3 76/80 #4 76/80.
- Cleaned, gapped, tested, and rotated spark plugs.
- Drained oil and removed old oil filter. Replaced filter with new Tempest AA48110-2 filter and service engine with 8qts of Phillips 20W-50 XC. Opened old filter and inspected for contaminants.
- Removed old induction air filter and installed new filter PN: BA-5705.

Airworthiness Directives.

- 2015-19-07 Inspected fuel injector lines per MSB 342G, next due 4932.87 Tach.
→ AD's checked through cycle 2024-21.

I certify this **engine** has been inspected in reference to the Cessna 177RG Service Manual, Lycoming IO-360 Maintenance Manual, and with FAR 43 Appendix D and was found to be in an airworthiness condition.

Randall T Hamilton 2740756 !A/AP

Ray Manquero 4878327 A&P

Registration: N2007Q

Cessna 177RG

SN: 177RG0407

Eagle Air
REPAIR

Engine

Date: 28JUL25

TACH: 4863.68

ETSO: 120.68

Changed oil and filter. Cut and inspected oil filter for foreign material. None noted. Oil sample sent to AOA. Serviced engine with Phillips 20W50XC and 1 new oil filter. Run up function and leak check good.

The above work was completed IAW the current federal aviation regulation and is approved for return to service for the work accomplished
Philip McQuaid AP2772114