

The Standard

ENGINE LOG

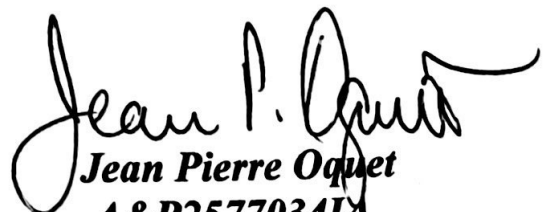
ASA-SE-2

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>
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ENGINE LOGBOOK ENTRY

Registration No: N4691Y	Date: September 21, 2013.
Aircraft Model: Piper PA-25-235 (Pawnee)	Airframe Flight Time: 4323.9 Hrs.
Aircraft Serial No: 25-4422	Tach reading: 0000.0 Hrs.
Engine model/serial: Lycoming O-540-B2B5, serial L7544-40.	Eng. TSMOH: 0003.0 Hrs.

Reinstalled engine. Lycoming Model O-540-B2B5, s/n L-7544-40 after major overhauled by J&E Aircraft Co. FAA CRS#JZ4R302M under work order #10773. Replaced all flammable fluid Hoses with new. Replaced engine rubber mounts with new. Reinstalled the following engine accessories after been overhauled: Starter, alternator and carburetor. Installed new modified exhaust system and induction air heat system i.a.w STC #SA4079NM by Air Care System, date of issuance June 12, 1990. Aircraft weight and balance revised. A new tachometer, p/n D1-112-5023 and serial number 33285 with a reading of 0000.0 hrs was installed at this time. Engine oil system serviced with 8 quarts Aeroshell 100, Sae 50 straight Mineral oil. Reinstalled the aircraft propeller, McCauley model 1A200/FA8452, s/n 91401 after been overhauled by Aero Propeller of Miami, Inc. FAA CRS#LT4R348M under w/o 20604. Engine has given a ground run for performance and leak checks. No discrepancies noted. All engine parameters within normal range.


Jean Pierre Oquet
A&P2577034IA

YEAR
20 13
DATE

RECORDING TACH TIME

TODAY'S FLIGHT

TOTAL TIME IN SERVICE

Description of Inspections, Tests, Repairs and Alterations
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8/2/2013

"0"

Has Since Mayon Overhaul A/D
A/D Motor C/w see attach pages

**THE POWER PLANT OR COMPONENT IDENTIFIED ABOVE
 WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH
 CURRENT REGULATIONS OF THE FEDERAL AVIATION
 ADMINISTRATION AND IS APPROVED FOR RETURN TO
 SERVICE.
 PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS
 REPAIR STATION UNDER ORDER.**

NO. 10773

DATE 8-2-2013

SIGNED *Curtis Whitt*

(SIGNATURE OF AUTHORIZED INDIVIDUAL)
 J & E AIRCRAFT CO
 FAA APPROVED REPAIR STATION NO. JZ4R302M
 1840 N.W. 93 AVE.
 MIAMI, FL 33172

**J & E AIRCRAFT CO.
FAA REPAIR STATION
NO. JZ4R302M**

This Lycoming Engine Model O-540-B2B5, S/N L-7544-40, was Major Overhauled at this time in accordance with Lycoming Overhaul Manual to Factory New Limits. All steels were magna-fluxed by CLERO ENTERPRISES, INC., Aluminum parts Zyglo. 6 Factory OHC cylinders assemblies were installed. The Camshaft is OHC BY AIRCRAFT SPECIALTIES SERVICES, INC. The Crankshaft S/N 33769, STD OHC; the NDT test was performed by AVIATION PROPELLER, INC.

THE FOLLOWING PARTS WERE INSTALLED AT TIME OF THIS OVERHAUL:

1	SL-76155	TACH DRIVE SHAFT	1	CH48110	OIL FILTER
6	SL-13923A	ROD BUSHING	12	SL13521A	ROD BEARINGS
12	SL72877	LIFTER BODIES	12	75061	ROD BOLT
1	SL-STD-2209	BOLT	12	SL-12186	ROD NUT
4	SL-73810	BUSHING	4	SL-12136	CUSHION
8	SL-14820	RET RING	2	67542	BALL BEARING
6	SL13444-1	PISTON PIN ASSY	12	REM40E	SPARKS PLUG
1	SL-18109A-S	IMPELLER KIT	12	AEL-13790A	ROCKER AXLE
1	AEL-78531	OIL PUMP HSNG	12	SL-12892	BUTTON
1	SL71569-1	GASKET SET	1	SL-1028-B	BALL
1	SL-STD-1211	PLUG	1	SL-61084	SPRING
4	SL-31-0.94	BOLT	1	M2121	HARNES
2	SL-72797	ROLLER	1	SL-53E19600	TEMP. VALVE
2	72965	ROLLER	1	3656624	ALTERNATOR
2	AEL-13884	C/S BEARING	1	10-4404	CARBURETOR
6	SL11020	BEARING	1	10-51365-46	MAGNETO RH
6	SL69603	INT. HOSE	1	10-51365-47	MAGNETO (LH)
6	SL-STD-1821	DR HOSE	6	LW-12524	OHC CYLINDER
1	MS16625-1081	RET RING	1	MZ-4222R	STARTER
6	75413	PISTON	1	SL-19340	CAMSHAFT
1	67514M	GEAR	6	SL-17540	EXH VALVE
6	SL-74230	EXH GUIDE	6	SL-17541	INT VALVE
6	SL-61681	INT GUIDE	12	SL-31C-12	EXH STUD
12	SL-11795	SPRING	12	SL-11800	SPRING
6	CN-203	RING KIT	12	60828	PISTON PIN PLUG

In this Overhaul we installed NEW Spark plugs, OVERHAULED Magnetos, and New Harness. The Carburetor was overhauled by MARVEL-SCHEBLER AIRCRAFT CARBURETORS LLC., the Alternator was repaired by HARTZELL ENGINE TECHNOLOGIES, and the Starter was overhauled by T & W ELECTRICAL SERVICE INC. This engine was tested run on the test bench for a period of three (3) hours with test club and independent gages. All temperatures and pressures performance are within those limits as prescribed by the factory. Oil filter checked clean, and compression is Ok. This engine is Airworthy and acceptable for return to Normal Service.

Date 8/02/2013

INSPECTOR  _____

Tack Time 2,470.9

Total Time Engine 4,323.9

Total Time since Overhaul 3:00

Work ORDER 10773

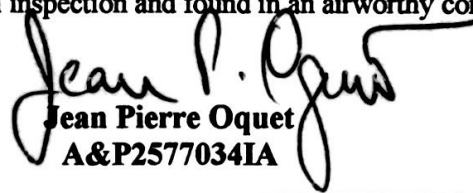
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ENGINE LOGBOOK ENTRY

Registration No: **N4691Y** Date: **March 4, 2014.**
 Aircraft Model: **Piper PA-25-235 (Pawnee)** Airframe Flight Time: **4401.4 Hrs.**
 Aircraft Serial No: **25-4422** Tach reading: **0077.5 Hrs.**
 Engine model/serial: **Lycoming O-540-B2B5, serial L7544-40.** Eng. TSMOH: **80.5 Hrs.**

Performed an engine 100 hrs/annual inspection i/a/w FAR 43 appendix D and Lycoming recommendations. Oil drained, oil filter removed, cut open for debris inspection. None found. Installed new CH48110-1 oil filter and serviced system with 8 qts/gl. Aeroshell W100 Plus, Sae 50 oil and two pints of AvBlend oil additive. All spark plugs removed, cleaned, gapped and pressure tested. Differential cylinder pressure test readings were: #1 78/80, #2 78/80, #3 78/80, #4 77/80, #5 76/80 and #6 76/80. Performed a ground run for performance and leak checks. All parameters within limits. Verified AD's thru BW 2014-04.

I certify that this engine has been inspected i/a.w an annual inspection and found in an airworthy condition and is approved for return to service.


Jean Pierre Oquet
A&P2577034IA

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>

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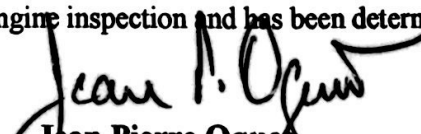
Registration No: **N4691Y**
Aircraft Model: **Piper PA-25-235 (Pawnee)**
Aircraft Serial No: **25-4422**

Date: **October 4, 2014.**
Airframe Flight Time: **4498.0 Hrs.**
Tach reading: **0175.0 Hrs.**

Engine model/serial: **Lycoming O-540-B2B5, serial L7544-40.** Eng. TSMOH: **178.0 Hrs.**

Performed an engine 100 hrs. inspection i/a/w FAR 43 appendix D and Lycoming recommendations. Oil drained, oil filter removed, cut open for debris inspection. None found. Installed new CH48110-1 oil filter and serviced system with 8 qts/gl. Aeroshell W100 Plus, Sae 50 oil. All spark plugs removed, cleaned, gapped and pressure tested. Differential cylinder pressure test readings were: #1 76/80, #2 75/80, #3 73/80, #4 78/80, #5 76/80 and #6 77/80. Performed a ground run for performance and leak checks. All parameters within limits. Verified AD's thru BW 2014-18. None found.

I certify that this engine has been inspected i/a.w 100 hrs. engine inspection and has been determined to be in airworthy condition and is approved for return to service.


Jean Pierre Oquet
A&P2577034IA

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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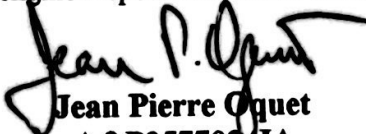
Registration No: **N4691Y**
 Aircraft Model: **Piper PA-25-235 (Pawnee)**
 Aircraft Serial No: **25-4422**

Date: **December 19, 2014.**
 Airframe Flight Time: **4600.9 Hrs.**
 Tach reading: **0277.0 Hrs.**
 Eng. TSMOH: **290.0 Hrs.**

Engine model/serial: **Lycoming O-540-B2B5, serial L7544-40.**

Performed an engine 100 hrs. inspection i/a/w FAR 43 appendix D and Lycoming recommendations. Oil drained, oil filter removed, cut open for debris inspection. None found. Installed new CH48110-1 oil filter and serviced system with 8 qts/gl. Aeroshell W100 Plus, Sae 50 oil. All spark plugs removed, cleaned, gapped and pressure tested. Differential cylinder pressure test readings were: #1 76/80, #2 77/80, #3 76/80, #4 77/80, #5 74/80 and #6 74/80. Performed a ground run for performance and leak checks. All parameters within limits. Verified AD's thru BW 2014-25. None found.

I certify that this engine has been inspected i/a.w 100 hrs. engine inspection and has been determined to be in airworthy condition and is approved for return to service.


Jean Pierre Oquet
A&P2577034IA

YEAR 20____ 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.)

ENGINE LOGBOOK ENTRY

Registration No: **N4691Y**
Aircraft Model: **Piper PA-25-235 (Pawnee)**
Aircraft Serial No: **25-4422**

Date: **June 22,2015.**
Airframe Flight Time: **4647.2 Hrs.**
Tach reading: **0323.3 Hrs.**
Eng. TSMOH: **326.3 Hrs.**

Engine model/serial: **Lycoming O-540-B2B5,serial L7544-40.**

Removed aircraft spinner/propeller assembly. Drained engine oil, oil cooler and removed engine oil filter. Washed engine with mineral spirits. Removed engine from aircraft due to several oil leaks around accessories housing, oil sump, and induction housing. Engine fitted vertical on engine stand. Removed both magnetos. Inspected right magneto and sent to shop for overhaul. Left magneto inspected and found ok at this time. Replaced accessory housing, oil sump and induction housing gaskets with new, Lycoming p/n 60294-7 (Kit). Installed new engine right and left side lower mounts, p/n 475122. Reinstalled magnetos using new gaskets. Timmed magnetos to engine. Reinstalled engine on the aircraft, reinstalled all removed accessories and the exhaust stack using new gaskets. Reinstalled propeller, propeller back plate and spinner after inspection. Installed a new alternator "v" belt, p/n 452407. Adjusted belt tension. Installed new oil filter, CH48110-1 and serviced engine with 12 qts/gl. Aeroshell W100 oil, SAE 50. Reinstalled engine cowling. Ran engine on ground for 1.0 hours for proper operation and leak checks. No discrepancies noted. All pressure and temperatures within normal limits.

I certify that the above engine has been repaired and found to be in Airworthy condition and is approved for return to service.

Hector R. Santana
Hector R. Santana
P2724265

YEAR 20 ____ 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.)

ENGINE LOGBOOK ENTRY

Registration No: **N4691Y**
Aircraft Model: **Piper PA-25-235 (Pawnee)**
Aircraft Serial No: **25-4422**

Date: **July 9, 2015.**
Airframe Flight Time: **4648.1 Hrs.**
Tach reading: **0324.2 Hrs.**

Engine model/serial: **Lycoming O-540-B2B5, serial L7544-40.** Eng. TSMOH: **327.2 Hrs.**

Performed an engine 100 hrs/annual inspection i/a/w FAR 43 appendix D and Lycoming recommendations. . All spark plugs removed, cleaned ,gapped and pressure tested. Differential cylinder pressure test readings were: #1 76/80, #2 70/80, #3 78/80, #4 76/80, #5 70/80 and #6 76/80. Performed a ground run for performance and leak checks. All parameters within limits. Verified AD's thru BW 2015-12.

I certify that this engine has been inspected i/a.w an annual inspection and found in an airworthy condition and is approved for return to service.

Jean P. Oquet
Jean Pierre Oquet
A&P2577034IA

YEAR 20____ 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.)

ENGINE LOGBOOK ENTRY

Registration No: **N4691Y**
 Aircraft Model: **Piper PA-25-235 (Pawnee)**
 Aircraft Serial No: **25-4422**

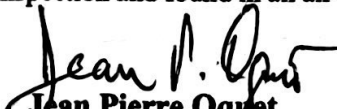
Date: **October 9, 2019**
 Airframe Flight Time: **4862.2 Hrs.**
 Tach reading: **0538.3 Hrs.**

Engine model/serial: **Lycoming O-540-B2B5, serial L7544-40.**

Eng. TSMOH: **538.3 Hrs.**

Performed an engine 100 hrs/annual inspection i/a/w FAR 43 appendix D and Lycoming recommendations. Oil drained, oil filter removed, cut open for debris inspection. None found. Installed new CH48110-1 oil filter and serviced system with 8 qts/gl. Aeroshell W100 Plus, Sae 50 oil. All spark plugs removed, cleaned, gapped and pressure tested. Differential cylinder pressure test readings were: #1 78/80, #2 70/80, #3 72/80, #4 68/80, #5 78/80 and #6 76/80. Performed a ground run for performance and leak checks. All parameters within limits. Verified AD's thru **BW 2019-18**.

I certify that this engine has been inspected i/a.w an annual inspection and found in an airworthy condition and is approved for return to service.


Jean Pierre Oquet
A&P25770341A

YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspection <small>Entries must be endorsed with Technician or Repair Facility. (S)</small>
				<p>HORTON AVIATION SERVICES LLC 2732 PERIMETER ROAD, SUITE 101 NORTH LAS VEGAS, NEVADA 89032 REPAIR STATION # YHSR284L N4691Y MFG.piper MODEL PA25-235 S/N 25-4422 W.O.# 21-028 DATE 04/17/2021 Tach; 576.3 SMOH: 579.3 ENGINE MODEL: O-540-B2B5 S/N: L7544-40</p> <p><i>Compression check #1 65/80 #2 67/80 #3 77/80 #4 73/80, #5 72/80, #6 70/80. Changed oil and filter serviced with Aero shell W100 plus and CH48110-1. Adjusted mag timing, CLEANED PLUGS, Test run and leak check normal. I certify that this engine has been inspected as required by FAR 91.409(a), and IAW FAR 43 appendix D, an annual/100 inspection and found to be in an airworthy condition.</i></p> <p>The aircraft and/or component identified above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file under the above Work Order number.</p> <p style="text-align: center;"><i>[Handwritten Signature]</i></p>

YEAR 20 <u>21</u> 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>
Sept 27 2021	6.1		54 1.3 .3	<p>oil pressure was too high during flight. removed pressure regulator and removed 5 shims. 4 shims are still installed. Engine Run OK with pressure in normal range</p> <p>I certify that the above Engine has been repaired and found to be in airworthy condition and is approved for return to service</p> <p>Jason Gaddis IA 2710199</p> <p>J Gaddis</p>
	Lycoming O-540 SN L	B235 7594-40		

Registration NO: N4691Y

Date: December 15, 2021

Aircraft Model: Piper PA-25-235 Pawnee

Airframe Flight Time: 4911.2

Engine Lycoming 0-540 SN L7544-40

Engine TSMOH 550.4

Replaced left Magneto PN# 10-51365-47 and right Magneto PN# 10-51365-46R with overhauled units.

Both Magneto's were timed and installed per the Lycoming MM. Installed new spark plugs and plug wires harness's PN# M2121 and M1950 per the MM. Replaced engine Oil 11 qts with Aeroshell 15w-50 and installed new tempest oil Filter. Ground run was performed and found to be satisfactory. Aircraft is released for flight,

Jason Scott Gaddis A&P / IA 2710199



YEAR MO 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>

Registration NO: N4691Y

Date: November 23, 2022

Aircraft Model: Piper PA-25-235 Pawnee

Airframe Flight Time: 4915.2

Engine Lycoming 0-540 SN L7544-40

Engine TSMOH 555.4

Replaced engine Oil 11 qts with Aeroshell 15w-50 and installed new tempest oil Filter. Ground run was performed and found to be satisfactory. Comps are as following. #1 70 #2 72 #3 74 #4 69 #5 72 #6 76 over 80.

I certify that this Engine has been inspected IAW annual inspection and found to be airworthy condition and is approved for return to service



Jason Scott Gaddis A&P / IA 2710199

12970 Port Said Rd.
Opa Locka, Florida 33054
Telephone (305) 688-9439

F.A.A. APPROVED REPAIR STATION ME4R359M

PROPELLER CLASS 1 & 2

AVIATION PROPELLERS, INC.

MAGNAFLUX AND/OR ZYGLO INSPECTION

CUSTOMER HERNAN'S AVIATION DATE 7-19-13

MANUFACTURER LYCOMING SERIAL NO. 3274

PART NUMBER 53134

REMARKS CRANKSHAFT MAGNETIC PARTICLE
INSPECTED IAW ASTM 1444 (E 1444-01)

WORK ORDER 42929A INSPECTOR [Signature]

API FORM 20, (07/00) REV.1

Telephone (305) 688-9439

F.A.A. APPROVED REPAIR STATION ME4R359M

PROPELLER CLASS 1 & 2

AVIATION PROPELLERS, INC.

MAGNAFLUX AND/OR ZYGLO INSPECTION

CUSTOMER HERNAN'S AVIATION DATE 7-19-13

MANUFACTURER LYCOMING SERIAL NO. 33769

PART NUMBER 75038

REMARKS CRANKSHAFT MAGNETIC PARTICLE

INSPECTED IAW ASTM 1444 (E 1444-01)

WORK ORDER 42939A INSPECTOR [Signature]

API FORM 20, (07/00)

DATE RECEIVED 4-16-15

SRO# SH 30816

PART# 800-1016-000H

SERIAL# 1010-10858-00156

WARRANTY NON-WARRANTY

DATE COMPLETED 4/28/15

REPAIR TECHNICIAN Brad

Customer Owned (FM-7.5.1-Yellow)