

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE DATA

1. Make

Lycoming

2. Model

O-360-ADM

3. Specification

4. Manufacturer's Serial
Number

L-41697-36E

5. Date of Manufacture

2010



Section 3A: En

DATE / /	TIME RUN HOURS
BROUGHT FORWARD	

D&J Aviation Maintenance LLC
1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E TSN: 695.3 TMOH: 695.3 tach: 695.3
July 27, 2023

Performed 100-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil filter. Cut and inspect oil filter medium for contaminants. None found. Installed new oil filter PN AA48110-2. Torqued and safety wired. Filled with 7 quarts of Phillips AW 20w50 oil. Removed all spark plugs. Cleaned, inspected, gapped and reinstalled all plugs to torque specs. Timed mags to 25 deg BFTD. Performed Compression checks. 1:73 2:71 3:76 4:73 engine temp was between 150 to 170 deg during cks. Performed engine run, leak and operational check .All maintenance was performed IAW Piper, Lycoming service manuals.
I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number
Donovan Wood, Technician
Jaryd Sanchez A&P 4750822
J Roy Hrytzay A&P/IA 3285708


A&P/IA #3285708

PERFORMED
(ENT)

D&J Aviation Maintenance LLC
1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E TSN: 742.7 TMOH: 742.7 tach: 742.7
Aug 21, 2023

Performed 50-hour inspection in accordance with Piper's Service Maintenance Manuals drained and refilled oil with 6 quarts AW 20W-50. All maintenance was performed IAW Piper, Lycoming service manuals.
I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number
Jaryd Sanchez A&P 4750822



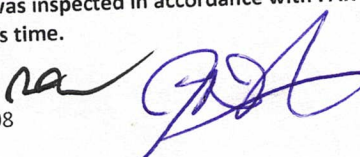
D&J Aviation Maintenance LLC
1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E TSN: 789.1 TMOH: 789.1 tach: 789.1
AUG 30, 2023

Performed 100-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil filter. Cut and inspect oil filter medium for contaminants. None found. Installed new oil filter PN AA48110-2. Torqued and safety wired. Filled with 7 quarts of Phillips AW 20w50 oil. Removed all spark plugs. Cleaned, inspected, gapped and reinstalled all plugs to torque specs. Timed mags to 25 deg BFTD. Performed Compression checks. 1:77 2:77 3:78 4:74 engine temp was between 150 to 170 deg during cks. Performed engine run, leak and operational check .All maintenance was performed IAW Piper, Lycoming service manuals.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number
Jaryd Sanchez A&P 4750822
J Roy Hrytzay A&P/IA 3285708



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D&J Aviation Maintenance LLC
1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E TSN: 837.6 TMOH: 837.6 tach: 837.6
Sep. 18, 2023

Performed 50-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil. Filled with 6 quarts of Phillips AW 20w50 oil. Performed engine run, leak and operational check. All maintenance was performed IAW Piper, Lycoming service manuals.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number

E. Michael Nave Technician/Commercial Pilot 4355334 *me*

J Roy Hrytzay A&P/IA 3285708

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

D&J Aviation Maintenance LLC

1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E TSN: 870.9 TMOH: 870.9 Tach: 870.9
Oct 4, 2023

Performed 100-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil filter. Cut and inspect oil filter medium for contaminants. None found. Installed new oil filter PN AA48110-2. Torqued and safety wired. Filled with 7 quarts of Phillips AW 20w50 oil. Removed all spark plugs. Cleaned, inspected, gapped and reinstalled all plugs to torque specs. Timed mags to 25 deg BFTD. Performed Compression checks. 1:79 2:78 3:78 4:78 engine temp was between 150 to 170 deg during cks. Performed engine run, leak and operational check. All maintenance was performed IAW Piper, Lycoming service manuals.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number

E. Michael Nave Technician/Commercial Pilot 4355334 *me*

Jaryd Sanchez A&P 4750822 *me*

J. Roy Hrytzay A&P - IA3285708

A&P/IA #3285708

D&J Aviation Maintenance LLC
1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E hobs: 1046.1 TTIS: 922.4 tach: 922.4
OCT 19, 2023

Performed 50-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil. Filled with 6 quarts of Phillips AW 20w50 oil. Performed engine run, leak and operational check. All maintenance was performed IAW Piper, Lycoming service manuals.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number

Mike Oakleaf A&P 2695907

J Roy Hrytzay A&P/IA 3285708

Section 3A

D&J Aviation Maintenance LLC.
1321 Apopka Airport Road Hangar 81. Apopka FL, 32746.

Engine 100 Hour

N514C SN 28-43684; Eng SN L-41697-36E; Eng TTIS 959.1; Eng TSOH 959.1;

Tach 959.1; November 3, 2023

Performed 100-hour inspection in accordance with Piper/Lycoming Service Maintenance Manuals and checklists. Drained oil and removed oil filter; cut, inspected, no contaminants found. Installed oil filter AA48110-2, torqued and safety wired. Filled with 7 quarts Phillips AW 20W50 Oil. Removed, cleaned, inspected, gapped, tested, and reinstalled all spark plugs. Timed mags 25 deg BFTD. Performed compression checks: 1: 76, 2: 78, 3: 78, 4: 72. Performed engine run; leak and operational check good.

I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number

Jaryd Sanchez A&P 4750822

E. Michael Nave Technician / Commercial Pilot 4355334

WORK PERFORMED (PLACEMENT)

D&J Aviation Maintenance LLC

1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E hobs: 1133.7 TTIS: 1001.4 tach: 1001.4

Nov. 21, 2023

Performed 50-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil. Filled with 6 quarts of Phillips AW 20w50 oil. Performed engine run, leak and operational check .All maintenance was performed IAW Piper, Lycoming service manuals.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number

Donovon Wood /Tech

J Roy Hrytzay A&P/IA 3285708

D&J Aviation Maintenance LLC.

1321 Apopka Airport Road Hangar 81. Apopka FL, 32712.

Engine Annual

N514C SN 28-43684; Eng SN L-41697-36E; Tach 1006.4; Eng TTIS 1006.4; Eng TSOH 1006.4; December 1, 2023

Performed ANNUAL inspection in accordance with current Piper/Lycoming Service Maintenance Manuals and checklists. Drained oil and removed oil filter; cut, inspected, no contaminants found. Installed oil filter AA48110-2, torqued and safety wired. Remove and flush oil cooler. Filled with 7 quarts Phillips AW 20W50 Oil. Removed, cleaned, inspected, gapped, tested, and reinstalled all spark plugs. Timed mags 25 deg BFTD. Performed compression checks: 1: 74, 2: 78, 3: 77, 4: 76. Performed engine run; leak and operational check good.

I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number

Jaryd Sanchez A&P 4750822

E. Michael Nave Technician / Commercial Pilot 4355334

J. Roy Hrytzay A&P/IA 3285708

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D&J Aviation Maintenance LLC.

1321 Apopka Airport Road Hangar 81. Apopka FL, 32712.

N514C Eng SN L-41697-36E Tach 1043.1 Eng TTIS 1043.1 Eng TSOH 1043.1

Jan 8, 2024

Performed 50 Hour Inspection in accordance with Piper Service Maintenance Manual. Drained oil, filled with 6 qts Phillips Victory AW SAE 20w50 oil.

Performed engine run, leak, and operational check good.

I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number

Jaryd Sanchez A&P 4750822



NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

D&J Aviation Maintenance LLC

1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E TSN: 1094.5 TMOH: 789.1 tach: 1094.5

19 FEB 2024

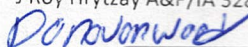
Performed 100-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil filter. Cut and inspect oil filter medium for contaminants. None found. Installed new oil filter PN AA48110-2. Torqued and safety wired. Filled with 7 quarts of Phillips AW 20w50 oil. Removed all spark plugs. Cleaned, inspected, gapped and reinstalled all plugs to torque specs. Timed mags to 25 deg BFTD. Performed Compression checks. 1:78 2:73 3:76 4:72 engine temp was between 150 to 170 deg during cks. Performed engine run, leak and operational check. All maintenance was performed IAW Piper, Lycoming service manuals.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D, 43.15 c and found air worthy at this time.

Certificate Type & Number

Tech: Donovan Wood

J Roy Hrytzay A&P/IA 3285708





D&J Aviation Maintenance LLC.

1321 Apopka Airport Road Hangar 81. Apopka FL, 32712.

N514C Eng SN L-41697-36E Tach 1143.6 TTIS 1143.6 TSOH 1143.6

March 6, 2024

Performed 50 Hour Inspection in accordance with Piper Service Maintenance Manual. Drained oil, filled with 6 qts Phillips Victory AW SAE 20w50 oil. Performed engine run, leak, and operational check good.

I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number

Jaryd Sanchez A&P 4750822



Section 3A: Engine Service and Maintenance Log

DATE		TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED (INSPECTION, REPAIRS, REPLACEMENT)
/ /		HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD								
								<p>D&J Aviation Maintenance LLC. 1321 Apopka Airport Road Hangar 81. Apopka FL, 32712.</p> <p>Engine 100 Hour N514C SN 28-43684; Eng SN L-41697-36E; Tach 1183.9; Eng TTIS 1183.9; Eng TSOH 1183.9; March 18, 2024</p> <p>Performed 100-hour inspection in accordance with Piper/Lycoming Service Maintenance Manuals and checklists. Drained oil and removed oil filter; cut, inspected, no contaminants found. Installed oil filter AA48110-2, torqued and safety wired. Filled with 7 quarts Phillips AW 20W50 Oil. Removed, cleaned, inspected, gapped, tested, and reinstalled all spark plugs. Timed mags 25 deg BFTD. Performed compression checks: 1: 76, 2: 74, 3: 74, 4: 75. Performed engine run; leak and operational check good.</p> <p>I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.</p> <p>Certificate type & number Michael Oakleaf A&P 2695907 Donovan Wood Technician <i>Donovan Wood</i></p>
								<p>D&J Aviation Maintenance LLC. 1160 Spinner Ln, Sanford, FL 32773</p> <p>Engine 50 Hour N514C SN 28-43684; Eng SN L-41697-36E; 1224.5; Eng TTIS 1224.5; Eng TSOH 1224.5; April 08, 2024</p> <p>Performed 50 Hour Inspection in accordance with Piper Service Maintenance Manual. Drained oil, filled with 6 qts Phillips Victory AW SAE 20w50 oil. Performed engine run, leak and operational check good.</p> <p>I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and Aircraft Airworthy in reference to work performed and returned to service.</p> <p>Certificate type & number Josh Buckley A&P #4464028 <i>JB</i> Michael Oakleaf A&P #2695907 <i>m</i></p>
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D&J Aviation Maintenance LLC
1164 Spinner Lane, Sanford, Florida 32773

N514C Eng SN: L-41697-36E TSN: 1276.7 TMOH: 1276.7 tach: 1276.7
May 13, 2024

Performed 100-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil filter. Cut and inspect oil filter medium for contaminants. None found. Installed new oil filter PN AA48110-2. Torqued and safety wired. Filled with 7 quarts of Phillips AW 20w50 oil. Removed all spark plugs. Cleaned, inspected, gapped and reinstalled all plugs to torque specs. Timed mags to 25 deg BFTD. Performed Compression checks. 1:74 2:72 3:72 4:75 engine temp was between 150 to 170 deg during cks. Installed new air filter PN AA617058. Performed engine run, leak and operational check. All maintenance was performed IAW Piper, Lycoming service manuals.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D, 43.15 c and found air worthy at this time.

Certificate Type & Number
Michael D Oakleaf A&P 2695907

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

D&J Aviation Maintenance LLC
1164 Spinner Lane, Sanford Florida 32773

N514C Eng SN: L-41697-36E hobbs: 1541.2 TTIS: 1336.9 tach: 1336.9
June 01, 2024

Performed 50-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil. Filled with 7 quarts of Phillips AW 20w50 oil. Performed engine run, leak and operational check good.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D, 43.15 c and found air worthy at this time.

Certificate Type & Number
Ethan Nicole A&P 4191133IA

Cte W/w APY191133IA
June 1st, 2024

D&J Aviation Maintenance LLC
1321 Apopka Airport Road hangar 81, Apopka, FL. 32712

N514C Eng SN: L-41697-36E TSN: 1370.3 TMOH: 1370.3 tach: 1370.3
12 June 2024

Performed 100-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil filter. Cut and inspect oil filter medium for contaminants. None found. Installed new oil filter PN AA48110-2. Torqued and safety wired. Filled with 7 quarts of Phillips AW 20w50 oil. Removed all spark plugs. Installed 8ea new Spark plugs PN UREM38E, gapped and installed all plugs to torque specs. Timed mags to 25 deg BFTD. Performed Compression checks. 1:68 2:70 3:76 4:70 engine temp was between 150 to 170 deg during cks. Performed engine run, leak and operational check. All maintenance was performed IAW Piper, Lycoming service manuals.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D, 43.15 c and found air worthy at this time.

Certificate Type & Number
Michael Oakleaf A&P #2695907

Section 3A: Engine Service and Maintenance Log

DATE /		TIME RUN <small>SINCE OVERHAUL</small>		CYCLES		DESCRIPTION OF WORK PERFORMED <small>(INSPECTION, REPAIRS, REPLACEMENT)</small>
HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD						
						<p>D&J Aviation Maintenance LLC 1164 Spinner Lane, Sanford, Florida 32773</p> <p>N514C ENG SN: L-41697-36E tach: 1383.0 Hobbs: 1588.4 21 June 2024 Removed and Replaced Carburetor with serviceable overhauled unit. P/N off AV10-6102 S/N off: AV1127441. P/N on MA-4-5 S/N on MS1B6512. All work performed I.A.W Piper's Service Maintenance Manual. Operational and leak checked good.</p> <p>Aircraft return to service</p> <p>Certificate Type & Number Michael Oakleaf A&P #2695907 Leanne Martinez Tech</p>
						<p>D&J Aviation Maintenance LLC 1321 Apopka Airport Road hangar 81, Apopka, FL. 32712</p> <p>N514C Eng SN: L-41697-36E TSN:1466.5 TMOH:1466.5 tach:1466.5 hobs:1688.1 August 22, 2024 Performed 100-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil filter. Cut and inspect oil filter medium for contaminants. None found. Installed new oil filter PN AA48110-2. Torqued and safety wired. Filled with 7 quarts of Phillips AW 20w50 oil. Removed all spark plugs. Cleaned, inspected, gapped and reinstalled all plugs to torque specs. Timed mags to 25 deg BFTD. Performed Compression checks. 1:76 2:76 3:76 4:77 engine temp was between 150 to 170 deg during cks. Performed engine run, leak and operational check. All maintenance was performed IAW Piper, Lycoming service manuals.</p> <p>I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.</p> <p>Certificate Type & Number Joel Mastrapa A&P #5003987</p>
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D&J Aviation Maintenance LLC
1164 Spinner Lane, Sanford Florida 32773

N514C Eng SN: L-41697-36E hobbs: **1704.3** TTIS: **1480.4** tach: **1480.4** TSOH: **1480.4**
 September 5, 2024

Removed and replaced new O/H carburetor, And Carb Heat/Airbox Gasket In reference to Piper maintenance manual.

New O/H Carburetor P/N: 10-5193 S/N: MS1D8214

New Carb Heat/Airbox Gasket P/N: MC63684-04 LOT:101273

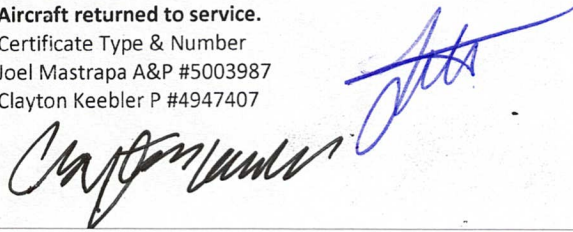
Operational check good, no defects found, Results satisfactory.

Aircraft returned to service.

Certificate Type & Number

Joel Mastrapa A&P #5003987

Clayton Keebler P #4947407



D&J Aviation Maintenance LLC
1164 Spinner Lane, Sanford Florida 32773

N514C Eng SN: L-41697-36E Hobbs: **1747.6.2** TTIS: **1525.5** tach: **1525.5**
 23 SEP.2024

Performed 50-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil. Filled with 7 quarts of Phillips AW 20w50 oil. Performed engine run, leak and operational check good.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number

FAA P # 4947407 Clayton Keebler

A/P-IA #325708 J Roy Hrytzay



D&J Aviation Maintenance LLC
1164 Spinner Lane ,Sanford FL.32773

N514C Eng SN: L-41697-36E TSN: **1552.5** TMOH: **1552.5** tach: **1552.5**
 16 OCT 2024

Performed 100-hour inspection in accordance with Piper's Service Maintenance Manuals drained oil and removed oil filter. Cut and inspect oil filter medium for contaminants. None was found. Installed new oil filter PN AA48110-2. Torqued and safety wired. Filled with 7 quarts of Phillips AW 20w50 oil. Removed all spark plugs. Cleaned, inspected, gapped and reinstalled all plugs to torque specs. Timed mags to 25 deg BFTD. Performed Compression checks. 1:73 2:73 3:72 4:70 engine temp was between 150 to 170 deg during checks.

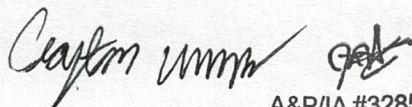
Performed engine run, leak and operational check. All maintenance was performed IAW Piper & Lycoming service manuals All AD's complied with at this time.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D,43.15 c and found air worthy at this time.

Certificate Type & Number

Claton Keebler P #4947407

J Roy Hrytzay A&P/IA 3285708



A&P/IA #3285708

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

Section 3A: Engi

D&J Aviation Maintenance LLC
1164 Spinner Lane, Sanford Florida 32773

DATE / /	TIME RUN	
	HOURS	min
BROUGHT FORWARD		

N514C Eng SN: L-41697-36E Hobbs: 1822.1 TTIS: 1578.5 tach: 1578.4
25 Oct 2024

Performed 50-hour Oil Change in accordance with Piper's Service Maintenance Manuals drained oil. Filled with 7 quarts of Phillips AW 20w50 oil. Performed engine run, leak and operational check good.

I certify this aircraft engine was inspected in accordance with FAR part 43 appendix D, 43.15 c and found air worthy at this time.

Certificate Type & Number
FAA P # 4947407 Clayton Keebler

Clayton Keebler

D&J Aviation Maintenance LLC
1164 Spinner Lane, Sanford, Florida 32773

N514C ENG SN: L-41697-36E tach: 1595.7 Hobbs: 1844.3
08 NOV 2024

Removed and Replaced Marvel-Schebler Carburetor with serviceable overhauled unit.

P/N off 10-5193 S/N off: MS1B6512 P/N on 10-5193 on MS1CY207.
All work performed. I.A.W Piper's Service Maintenance Manual.

The operational and leak checked good.
Aircraft return to service

Certificate Type & Number
A&P/IA # 328708 J.Roy Hrytzay

[Signature]

D&J Aviation Maintenance LLC
1164 Spinner Lane, Sanford Florida 32773

N514C SN: 28-43684 Hobbs: 1875.3 TTIS: 1621.2 tach: 1621.2
Nov 26 2024

Performed 50-hour Oil Change per Piper maintenance manual. Drained oil and Added 6 quarts victory AW 20w50 . Performed engine run/leak and operational check Satisfactory.

I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number
Clayton Keebler FAA P# 4947407

Clayton Keebler

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D&J Aviation Maintenance LLC.

1321 Apopka Airport Road Hangar 81. Apopka FL, 32712.

N514C Eng SN L-41697-36E Tach 1634.2 TTIS 1634.2 TSOH 1634.2

January 6, 2025

Performed Annual/100-hour inspection in reference to Piper/Lycoming Maintenance Manuals and checklists. Drained oil and removed oil filter; cut, inspected, no contaminants found. Installed oil filter AA48110-2, torqued, and safety wired. Filled with 7 quarts Phillips AW 20W50 Oil. Removed, cleaned, inspected, gapped, tested, and reinstalled all spark plugs. Replaced faulty plug on cylinder 4 top with new Tempest UREM38E plug. Timed mags 25 deg BFTD. Performed compression checks: 1: 79 2: 74 3: 77 4: 76. Performed engine run; leak and operational check good.

I certify this aircraft engine has been inspected in accordance with FAR appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number

Ethan Nicol A&P4191133IA

Jaryd Sanchez A&P 4750822



AP4191133IA

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

D&J Aviation Maintenance LLC.

1321 Apopka Airport Road Hangar 81. Apopka FL, 32712.

N514C Eng SN L-41697-36E Tach 1728.7 Eng TTIS 1728.7 Eng TSOH 1728.7

04/04/2025

Performed 100-hour inspection in accordance with Piper/Lycoming Maintenance Manuals and checklists. Drained oil and removed oil filter; cut, inspected, no contaminants found. Installed oil filter AA48110-2, torqued and safety wired. Filled with 7 quarts Phillips AW 20W50 Oil. Removed, cleaned, inspected, gapped, tested, and reinstalled all spark plugs. Performed compression checks: 1: 70, 2: 72, 3: 76. Replaced left and right magnetos with repaired units provided by Eagle Magnetos Inc: Left Mag P/N: 4371 S/N: 98091247; Right Mag P/N: 4370 S/N: 10050287. Timed mags 25 deg BFTD. Performed engine run; leak and operational check good. AD research showed no AD's due at this time.

I certify this engine has been inspected in accordance with a 100 Hour Inspection and was found to be in airworthy condition.

Certificate type & number

Jason Clark A&P 3655234

Andreas Pringle A&P 4127985

Kyle Adderley A 5072406

D&J Aviation Maintenance LLC.

1321 Apopka Airport Road Hangar 81. Apopka FL, 32712.

N514C Eng SN L-41697-36E Tach 1775.4 TTIS 1775.4 TSOH 1775.4

May 5th, 2025

Drained engine oil and removed oil filter. Examined filter for debris, none found. Installed new oil filter, P/N A48110-2 and serviced engine with 7 QTS of Phillips 20W50 Victory Oil. Operational and leak check satisfactory at this time.

Work was performed in reference to Lycoming Direct Drive MX Manual, Piper PA28-181 MX Manual, and AC 43.13(b).

Forrest Benson A&P 3733746

MAINTENANCE RECORD
☒ repaired as necessary
 This magneto was tested in accordance with Federal Aviation Administration Regulations. Approved for return to service. All parts on work order # 6534
 On record at Eagle Magneto Inc.
 Manufacturer Bendix/TCM ✓ Slick/Champion Model 4370
 Serial Number 10050287 Part Number 581-554
 Notes: 500 hr complete See AD compliance record dated 03-12-2025
 Signed [Signature] Cert# 1111111111 Date 03-12-2025
 Eagle Magneto Inc.
 404 United Drive New Smyrna Beach, FL 32168
 Office 386-410-4710 Cell 386-285-3152
 www.eaglemagnetos.com

Section 3A: Engine Service and Maintenance Log

[illegible]

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

D&J AVIATION LLC.

1321 Apopka Airport Road Hangar 81. Apopka FL, 32712.

Engine 100 Hour

N514C Eng SN L-41697-36E; Tach 1920.1 Prop TTIS 1920.1; Eng TSOH 1920.1 July 30, 2025

Performed 100-hour inspection in accordance with Piper/Lycoming Service Maintenance Manuals and checklists. Drained oil and removed oil filter; cut, inspected, no contaminants found. Installed oil filter AA48110-2, torqued and safety wired. Filled with 7 quarts Phillips AW 20W50 Oil. Inspected/Service spark plugs. Timed mags 25 deg BFTDC. Performed compression checks: 1: 79/80, 2: 72/80, 3: 79/80, 4: 72/80. Performed engine run; leak and operational check good.

I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number

Robert Rojo A&P 33757161A

Kyle Adderley A 5072406

D&J Aviation LLC.

1164 Spinner Ln, Sanford, FL. 32773.

N514C Eng SN L-41697-36E Tach 2014.7 TTIS 2014.7 TSOH 2014.7 October 6 2025

Performed 100-hour inspection in reference to Piper/Lycoming Maintenance Manuals and checklist. Drained oil and removed oil filter; cut, inspected, no contaminants found. Installed oil filter AA48110-2, torqued, and safety wired. Filled with 7 quarts Phillips AW 20W50 Oil. Removed, cleaned, inspected, gapped, tested, and reinstalled all spark plugs. Replaced Lea Tempest UREM38E spark plug. Timed mags 25 deg BFTD. Performed compression checks: 1: 76/80 2: 74/80 3: 70/80 4: 71/80. Performed engine run; leak and operational check good.

I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number

Jaryd Sanchez A&P 4750822

Blake Burgett Technician

D&J Aviation LLC.

1164 Spinner Ln, Sanford FL. 32773

N514C SN L-41697-36E Tach 2076.2 TTIS 2076.2 TSOH 2076.2 November 14th, 2025

Performed 50 Hour Inspection in reference with Piper and Lycoming Maintenance Manuals. Drained oil, filled with 6 qts Phillips Victory AW SAE 20w50 oil. Performed engine run; leak and operational check good.

I certify this aircraft engine has been inspected in accordance with FAR part 43 appendix D, 43.15 c and found to be airworthy at this time.

Certificate type & number

Stuart Lankester A&P 4506540

Scott Rine A&P 593320353