



Flight Training

N985JA

L/H Engine

Logs

Engine Maintenance Records

Log Number:	
Aircraft Registration Number:	
Engine Manufacturer:	Lycoming
Model:	IO-360-M1A
Serial Number:	L-31498-S1A
Date Installed on Aircraft:	
Time Between Overhauls:	2000 hours
Engine Position:	L/H

The Power of Experience

Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 U.S.A.
315-536-2333

FAA Repair Station: Y2GR396Y
www.PennYanAero.com

JA Flight Services

ETT: 2382.3

S/N: L-31498-51A

TACH: 4475.7

Model: Lycoming IO-360-M1A

Performed an Annual Inspection IAW FAR 43(d) using JAFS Checklist as a guide. Installed engine on N985JA, L/H Position IAW Diamond DA42-L360 MX Manual. C/W AD 2015-19-07, eff November 3rd, 2015: Fuel Injection Lines. C/W via visual inspection of fuel injection lines. No discrepancies noted. Next due at TACH: 4575.7 or 05/30/2022, whichever comes first. Serviced engine with 8 QTS of Phillips 20W50 Mineral oil. Verified engine to magneto timing. Lubricated control cables. Performed ground run of 30 Minutes, all engine monitors report normal. Bi-Weeklies checked through 2021-08. Operational and leak check satisfactory at this time.

Work was performed referencing Lycoming Direct Drive MX Manual, Diamond DA42-L360 MX Manual, and AC 43.13.1(b). I certify that this engine was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

IA 373374

JA Flight Services

ETP: 2432.7

S/N: L-31498-51A

TACH: 4526.1

Model: Lycoming IO-360-M1A

Drained engine oil and removed oil filter. Examined filter for debris, none found. Installed new filter, P/N CH48110-1 and serviced engine with 8 QTS of Phillips 20W50XC. Operational and leak check satisfactory at this time.

Work was performed referencing Lycoming Direct Drive MX Manual, Diamond DA42-L360 MX Manual, and AC 43.13.1(b).

A&P 3733746

[illegible]

JA Flight Services

Tail: N985JA

ETT: 2481.3

TSOH: 99.0

S/N: L-31498-51A

Date: 06/14/2021

TACH: 4574.7

Model: Lycoming IO-360-M1A

Performed an Annual Inspection IAW FAR 43(d) using JAFS Checklist as a guide. C/W AD 2015-19-07, eff November 3rd, 2015: Fuel Injection Lines. C/W via visual inspection of fuel injection lines. No discrepancies noted. Next due at TACH: 4674.7 or 06/30/2022, whichever comes first. Drained engine oil and removed oil filter. Examined filter for debris, none found. Serviced engine with 8 QTS of Phillips 20W50XC oil. Verified engine to magneto timing. Lubricated control cables. Bi-Weeklies checked through 2021-12. Operational and leak check satisfactory at this time.

Work was performed referencing Lycoming Direct Drive MX Manual, Diamond DA42-L360 MX Manual, and AC 43.13.1(b). I certify that this engine was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Forrest Benson

IA 3733746

JA Flight Services

Tail: N985JA

ETT: 2526.3

TSOH: 144.0

S/N: L-31498-51A

Date: 07/02/2021

TACH: 4619.7

Model: Lycoming IO-360-M1A

Drained engine oil and removed oil filter. Examined filter for debris, none found. Installed new oil filter, P/N CH48110-1 and serviced engine with 8 QTS of Phillips 20W50XC oil. Operational and leak check satisfactory at this time.

Work was performed referencing Lycoming Direct Drive MX Manual, Diamond DA42-L360 MX Manual, and AC 43.13.1(b).

Ethan A. Reimer

A&P Pending

JA Flight Services

Tail: N985JA

ETT: 2567.9

TSOH: 185.6

S/N: L-31498-51A

Date: 08/09/2021

TACH: 4661.3

Model: Lycoming IO-360-M1A

Performed a 100 Hour Inspection IAW FAR 43(d) using JAFS Checklist as a guide. C/W AD 2015-19-07, eff November 3rd, 2015: Fuel Injection Lines. C/W via visual inspection of fuel injection lines. No discrepancies noted. Next due at TACH: 4761.3 or 08/31/2022, whichever comes first. Performed compression test, results as follows: 1. 76/80 2. 74/80 3. 74/80 4. 68/80. Drained engine oil and removed oil filter. Examined filter for debris, none found. Installed new oil filter, P/N CH48110-1 and serviced engine with 8 QTS of Phillips 20W50XC oil. Cleaned, gapped, and inspected spark plugs. Verified engine to magneto timing. Cleaned and inspected fuel injectors. Lubricated control cables. Operational and leak check satisfactory at this time.

Work was performed referencing Lycoming Direct Drive MX Manual, Diamond DA42-L360 MX Manual, and AC 43.13.1(b). I certify that this engine was inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

Ethan A. Reimer

A&P 4520712

JA Flight Services

Tail: N985JA

ETT: 2606.1

TSOH: 223.8

S/N: L-31498-51A

Date: 09/03/2021

TACH: 4699.5

Model: Lycoming IO-360-M1A

Drained engine oil and removed oil filter. Examined filter for debris, none found. Installed new oil filter, P/N CH48110-1 and serviced engine with 8 QTS of Phillips 20W50XC oil. Operational and leak check satisfactory at this time.

Work was performed referencing Lycoming Direct Drive MX Manual, Diamond DA42-L360 MX Manual, and AC 43.13.1(b).

Ethan A. Reimer

A&P 4520712

Performer
initials

JA Flight Services

Tail: N985JA

ETT: 2658.9

TSOH: 276.6

S/N: L-31498-51A

Date: 10/21/2021

TACH: 4752.3

Model: Lycoming IO-360-M1A

Performed a 100 Hour Inspection IAW FAR 43(d) using JAFS Checklist as a guide. C/W AD 2015-19-07, eff November 3 2015: Fuel Injection Lines. C/W via visual inspection of fuel injection lines. No discrepancies noted. Next due at TACH: 4852.3 or 10/31/2022, whichever comes first. Performed compression test, results as follows: 1. 79/80 2. 70/80 3. 78/80. Drained engine oil and removed oil filter. Examined filter for debris, none found. Installed new oil filter, P/N CH48110-1 and serviced engine with 8 QTS of Phillips 20W50XC oil. Cleaned, gapped, and inspected spark plugs. Verified engine to magneto timing. Cleaned and inspected fuel injectors. Lubricated control cables. Operational and leak check satisfactory at this time.

Work was performed referencing Lycoming Direct Drive MX Manual, Diamond DA42-L360 MX Manual, and AC 43.13.1(b). I certify that this engine was inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

Ethan A. Reimer

A&P 4520712

Totals

JA Flight Services

Tail: N985JA

ETT: 2704.8

TSOH: 322.5

S/N: L-31498-51A

Date: 12/02/2021

TACH: 4798.2

Model: Lycoming IO-360-M1A

Drained engine oil and removed oil filter. Examined filter for debris, none found. Installed new oil filter, P/N CH48110-1 and serviced engine with 8 QTS of Phillips 20W50XC oil. Operational and leak check satisfactory at this time.

Work was performed referencing Lycoming Direct Drive MX Manual, Diamond DA42-L360 MX Manual, and AC 43.13.1(b).

Ethan A. Reimer

A&P 4520712

Date

Date _____

[illegible]

JA Flight Services

[illegible]

TSOH: 628.50

TSOH 679.80

TSOH: 728.20

TSOH: 786.00

Ethan Reimer A&P AP4520712 Date: 2/23/24 Signature:

[illegible]

Left Engine Maintenance Entry for N985JA

DATE: 11/13/2023
LETT: 3132.2
RETT: 3099.9
LPTT: 4940.5
RPTT: 5094.1

ACTT: 5225.6

TACH: 5225.6
LETSOH: 749.9
RETSOH: 749.9
LPTSOH: 252.0
RPTSOH: 252.0

1. COMPLIED WITH AN ANNUAL INSPECTION AT 100 HOUR INTERVALS I/AW/ FAR 43 APPENDIX "D".
2. LEFT ENGINE: #1-77/80, #2-71/80, #3-76/80, #4-76/80.
3. COMPLIED WITH OIL CHANGES. DRAINED OIL, REMOVED FILTERS AND CUT OPEN FOR VISUAL INSPECTIONS. NO DEFECTS NOTED AT THIS TIME. REMOVED SUCTION SCREENS AND CLEANED. INSTALLED NEW TEMEPST OIL FILTERS AA48110-2 AND INSTALLED SUCTION SCREEN WITH A NEW AN900-16 GASKET. SERVICED WITH 8 XC 20W50.
4. CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS.
5. CLEANED FUEL INJECTOR NOZZLES.
6. ADJUSTED MAGNETO TO ENGINE TIMING
7. CLEANED FUEL GASCOLATOR SCREENS.
8. CLEANED FUEL SCREENS.
9. REPLACED LEFT ENGINE SUCTION SCREEN.

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ion & S

10. REMOVED LEFT ALTERNATOR P/N: ALU-8521R S/N: H-U122084 ANFD INSTALLEDE A OVERHAULED ASSEMBLY P/N: ALU-8521R, S/N: H-X070581. ADJUSTED VOLTAGE REGULATORS.
11. REMOVED AND INSTALLED LEFT PROPELLER AFTER REPAIR BY TIFFIN AIR.
12. SERIVCE PROPELLER UNFEATHERING ACCUMLATORS WITH NITROGEN.
13. COMPLIED WITH POWER FLOW EXHAUST SYTEM ICA ON LEFT AND RIGHT ENGINE. SWAGGED ALL HEADER PIPES FOR A CLOSE FIT.
14. AD 2015-19-07 EXTERNAL FUEL INJECTOR LINES COMPLIED WITH BY A VISUAL INSPECTION. DUE 11/30/2024 OR 5325.6 ACTT OR 4146.0 ACTI.
15. ADS CHECKED THRU 2023-23. SEE AD REPORT THIS DATE

ENGINE AIRCRAFT HAS BEEN INSPECTED I/AW AN ANNUAL INSPECTION. THIS ENGINE IS RETURNED TO SERVICE THIS DATE.

Totals - Carry Forward

Created 03/08/2024 N985JA LH Model: Lycoming IO-360-M1A S/N L-31498-51A Tach 5267.50 TTIS 3174.10 TSOH 791.80

Drained oil, removed filter and replaced with new, P/N: CH48110-1. Serviced engine with 8 quarts of Aeroshell 20W-50 and 1 12oz bottle of AvBlend.

All operational checks proved satisfactory at this time. I certify that this engine has been inspected in accordance with a 50-hour inspection and was determined to be in airworthy condition. All work was completed IAW Diamond DA42 Twin Star MXM and AC43.13-1b.

Ethan Reimer A&P 4520712 Date: 3/8/24 Signature: 

