

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

1. Approving Civil Aviation Authority/Country:
FAA/UNITED STATES

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
L-38392-51E

4. Organization Name and Address:
Lycoming Engines, 652 Oliver Street, Williamsport, PA 17701
PRODUCTION CERTIFICATE #3

5. Work Order/Contract/
Invoice Number:
MS-533141

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1.1	Aircraft Engine	ENPL-RT10051	1	L-38392-51E ✓	NEW

12. REMARKS: ENGINE MODEL: IO-360-M1A

The aircraft engine covered by this certificate conforms to the type design approved under IA TC Number IE-76 - 2 - 05-APR-18, is found to be in a condition for safe operation and has undergone a final operational check.

RECEIVED
2007766



13a. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 12.

14a. 14 CFR 43.9 Return to Service
 Other regulation specified in Block 12
Certifies that, unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:
John F. Dabback

13c. Approval/Authorization No.:
ODA830878-NE

13d. Name (Typed or Printed):
J. DABBACK

13e. Date (dd/mmm/yyyy):
26-JUN-2020

14b. Authorized Signature:

14c. Approval/Certificate No.:

14d. Name (Typed or Printed):

14e. Date (dd/mmm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

...S.A.
...Alco Corporation

ENGINE LOG

- | | |
|----------------------------------|------------------|
| 1. Make: | Lycoming Engines |
| 2. Model: | IO-360-M1A |
| 3. Specification: | 1E10 |
| 4. Manufacturer's Serial Number: | L-38392-51E |
| 5. Date of Manufacture: | JUNE 26 2020 |
| 6. Aircraft Inspection Cycle: | |



Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
BROUGHT FORWARD						

DESCRIPTION OF WORK PERFORMED
(INSPECTION, REPAIRS, REPLACEMENT)



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N741CD
AC Serial Number: 40.1230
Engine Serial Number: L-38392-51E
Prop Serial Number: NS5109B
Airframe Total Time: 4.7 HRS

- Total Engine Time Brought forward from Flight Test Journey Log (DAI - Form Q-157): 4.7 HRS
- Engine installed new on Aircraft DA 40, S/N: 40.1230
- Bi-weekly AWD check carried out to current revision 2021-16 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

DA Q8
Inspector

AUG 12 2021

date

(Intentionally left blank below this point)

ENGINE MODEL:
IO-360-M1A
ENGINE S/N: L-38392-51E
REG. NO: 741CD
WORK ORDER:
9487-08-2021



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 8/25/2021
A/C TSN: 17
ENG TT: 17
TACH: 17

Engine Entries

(3) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS OF AEROSHELL 100 MINERAL OIL AND A NEW CHAMPION OIL FILTER PN: CH48110-1. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION, NONE FOUND. INSTALLED OIL QUICK DRAIN PN: CCB37000 ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

CRS 9PRR402B

DATE: 8/25/2021

SIGNED:

Work Order: 9487-08-2021

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ENGINE MODEL:
IO360-M1A
ENGINE S/N: L-38392-51E
REG. NO: 741CD
WORK ORDER:
12397-10-2021



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 10/28/2021
A/C TSN: 50.3
ENG TT: 50.3
TSMOH:
TACH: 50.3

Engine Entries

Changed oil and filter. Installed (1) CH48110-1 Champion oil filter and 8 qts of 20w-50 Phillips XC engine oil. Added 1 pt. of CamGuard. Cut open old filter and inspected for contaminants, none found at this time. Ground ran aircraft no leaks found.

The aircraft, engine, propeller or appliance listed above was inspected and/or repaired referencing current FAR's and is approved for return to service ONLY regarding the above action(s). This release in no way certifies current or future airworthiness of the aircraft.

DATE: 10/28/2021

SIGNED:

Christopher Lyon, A&P: 3809854

Work Order: 12397-10-2021

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PREVIOUS TOTALS					
TOTALS SINCE NEW					

CARRY FORWARD to Top of Next Page

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

ENGINE MODEL
IO-360-M1A
ENGINE S/N L-38392-51E
REG NO 741CD
WORK ORDER
9920-07-2022



Flightline Group, Inc.

3256 Capital Circle SW
Tallahassee, Florida 32310
Phone 850-576-3515

DATE: 1/7/2022
A/C TSN: 76.5
ENG TT: 76.5
TSMOH:
TACH: 76.5

Engine Entries

Changed oil and filter. Serviced with 8 qts 20W50 Phillips X/C oil. 1 Ch48110-1 Champion filter. Added 1 pt Cam Guard provided by customer. Ground ran engine. ops check good, no leaks noted.

The aircraft engine propeller or appliance listed above was inspected and/or repaired referencing current FAR's and is approved for return to service. This release in no way certifies current or future airworthiness of the aircraft.

DATE 1/7/2022

SIGNED:

James Brown, A&P 2847216

Work Order: 12521-01-2022

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ENGINE MODEL
IO-360-M1A
ENGINE S/N L-38392-51E
REG NO 741CD
WORK ORDER:
9920-07-2022



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 7/21/2022
A/C TSN: 97
ENG TT: 97
TACH: 97

Engine Entries

(2) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. OF 20W50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

DATE: 7/21/2022

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 9920-07-2022

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wo: WO_147

Engine Annual · page 1 of 1



Steel Aviation, Inc. · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587

N741CD
TACH: 151.8

Lycoming, IO-360-M1A , S/N: L-38392-51E

January 06, 2023

1. C/W Annual Inspection in accordance with FAR 43 Appendix D using Diamond AMM as a guide.
2. Drained oil and serviced. Installed (7) P/N Phillips X/C 20W50 - Oil.
3. Removed and cut open oil filter. NDN at this time. Installed P/N AA48110-2 - OIL FILTER, DA40.
4. Checked Compressions: #1:79/80, #3:78/80, #2:76/80, #4:78/80.
5. Checked Magneto timing.

I certify that this ENGINE has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation, Inc. under work order: WO_147.

Jeff Pleiman A/P I/A 3304319

Jeff Pleiman