



Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 1,029.70 / 1,029.70

Off/On Hours: 3,477.6

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA92357

Date: 09/05/2024

Squawk

1.1

PILOT REPORTS "PLANE WAS ONLY GETTING 2000 RPM AT MAX POWER. WAS BACKFIRING CONSTANTLY IN THE RUN UP." PERFORMED ENGINE GROUND RUN UP AND FOUND PERFORMANCE TO BE SATISFACTORY. UNABLE TO DUPLICATE DISCREPANCY.

Brian Slater (BSLATER)

B. Slater 3936570 AP/IA
*** End of Document ***



251 Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 992.80 / 992.80

Off/On Hours: 3,440.7

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA91923

Date: 08/28/2024

Squawk

- 2.1 COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1_70_/80, #2_70_/80, #3_73_/80, #4_71_/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
GAPPED & TESTED SPARK PLUGS.
- 2.2 COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL INJECTOR FUEL LINES AND CLAMPS. NEXT DUE 1102.8
ENGINE TOTAL TIME.
- 2.3 COMPLETED A 500 HR INSPECTION ON MAG PN:4371 SN: 22120179 IAW CHAMPION L-1363J MANUAL.
- 2.4 COMPLIED WITH LYCOMING SB 388C BY INSPECTION OF EXHAUST VALVE STEM MOVEMENTS WITH ALL FOUND TO BE
WITHIN THE TABLE'S TOLERANCES.
- 2.5 REMOVED NUMBER ONE CYLINDER TOP SPARK PLUG AND INSTALLED NEW P/N REM38E. RUN UP AND OPERATIONAL
CHECK OK. ALL WORK PERFORMED REFERENCING THE APPLICABLE LYCOMING MANUALS.
- 2.6 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.

Brian Slater (BSLATER)

BSlater 39365-70 AP/LA



1 Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 892.20 / 892.20

Off/On Hours: 3,340.1

Part/Model number: IO-360-L2A

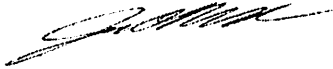
Serial Number: RL-33828-51E

Work Order No: APA90408

Date: 07/29/2024

Squawk

- 2.1 COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1_77/80, #2_78/80, #3_79/80, #4_79/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
GAPPED & TESTED SPARK PLUGS.
- 2.2 COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL INJECTOR FUEL LINES AND CLAMPS. NEXT DUE 992.20
ENGINE TOTAL TIME.
NO FAULTS FOUND.
- 2.3 REMOVED AND REPLACED #1 AND #3 ROCKER COVER GASKETS WITH NEW IAW LYCOMING OH MANUAL SECTION 6.
- 2.4 REMOVED AND REPLACED ALL 4 INTAKE GASKETS WITH NEW IAW LYCOMING OH MANUAL SECTION 8.
- 2.5 REMOVED, CLEANED, INSPECTED, AND REPLACED SPARK PLUGS AT TOP 1, TOP 3 AND TOP 4 POSITIONS WITH NEW
IAW LYCOMING OH MANUAL SECTION 4.
- 2.6 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.


Jorge Rivera Rios (JRIOS)
A&P3859219



251 Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 792.60 / 792.60

Off/On Hours: 3,240.5

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA89007

Date: 06/27/2024

Squawk

- 2.1** COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1_77/80, #2_78/80, #3_78/80, #4_76/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50.
- 2.2** COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL INJECTOR FUEL LINES AND CLAMPS. NEXT DUE 892.6
ENGINE TOTAL TIME.
- 2.3** REPLACED ALL SPARKPLUGS WITH NEW, P/N:REM-38E
- 2.4** REPLACED INTAKE GASKETS ON CYLINDERS #1, #2, AND #4. LEAK CHECK GOOD.
- 2.5** REPLACED EXPANSION PLUG ON CRANKSHAFT IAW LYCOMING OVERHAUL MANUAL.
- 2.6** INSTALLED OIL QUICK DRAIN.
- 2.7** REPLACED ROCKER COVER GASKET ON CYLINDER #3 WITH NEW. LEAK CHECK GOOD.

William Perman (WPERMAN)

A&P2702536IA



251 Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 693.50 / 693.50

Off/On Hours: 3,141.4

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA86796

Date: 05/20/2024

Squawk

- 2.1 COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1 77/80, #2 77/80, #3 74/80, #4 76/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
GAPPED & TESTED SPARK PLUGS.
- 2.2 COMPLIED WITH AD 2015-19-07 FUEL INJECTOR LINES INSPECTION NEXT DUE 793.50 TOTAL TIME.
- 2.3 REPLACED CYLINDER 3 BOTTOM AND CYLINDER 4 TOP SPARK PLUGS WITH NEW
- 2.4 REPLACD GASKET IN OIL FULLER TUBE
- 2.5 REPLACED DRAIN PLUG WITH NEW
- 2.6 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.

Murray Gray (MGRAY)
A&P 4264152 IA



114 Little Falls Dr
 Wilmington, DE 19808
 United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 594.50 / 594.50

Off/On Hours: 3,042.4

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA85166

Date: 04/11/2024

Squawk

- 2.1** COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
 PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1 78/80, #2 76/80, #3 78/80, #4 74/80.
 DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
 WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
 GAPPED & TESTED SPARK PLUGS.
- 2.2** COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL INJECTOR FUEL LINES AND CLAMPS. NEXT DUE 694.50
 ENGINE TOTAL TIME.
- 2.3** REMOVED AND REPLACED 1 OF 8 SPARK PLUGS
- 2.4** REMOVED #3 CYLINDER AND PISTON.
 REPLACED WITH REPAIRED CYLINDER AND PISTON AND ALL NEW APPROPRIATE HARDWARE, GASKETS, AND SEALS.
- 2.6** REMOVED AND REPLACED OIL PRESSURE REGULATOR GASKET
- 2.7** I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
 DETERMINED TO BE IN AIRWORTHY CONDITION.

Daniel King

Daniel King (DKING)

A&P4114293



Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 497.50 / 497.50

Off/On Hours: 2,945.4

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA83055

Date: 02/21/2024

Squawk

- 2.1 COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1 74/80, #2 75/80, #3 74/80, #4 75/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
GAPPED & TESTED SPARK PLUGS.
- 2.2 COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL INJECTOR FUEL LINES AND CLAMPS. NEXT DUE 597.5 ENGINE
TOTAL TIME.
- 2.3 COMPLETED A 500 HR INSPECTION ON MAG PN:4371 SN: 22120179 IAW CHAMPION L-1363J MANUAL.
- 2.4 REMOVED AND REPLACED OIL FILLER TUBE GASKET
- 2.5 TIGHTENED OIL DRAIN BACK LINES
- 2.6 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.

Nick Sanzo (NSANZO)

A&P3779661



Little Falls Dr
Milton, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron**TSN/TSO:** 398.30 / 398.30**Off/On Hours:** 2,846.2**Part/Model number:** IO-360-L2A**Serial Number:** RL-33828-51E**Work Order No:** APA81489**Date:** 01/18/2024**Squawk**

- 2.1** COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1 75/80, #2 76/80, #3 77/80, #4 74/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
GAPPED & TESTED SPARK PLUGS.
- 2.2** COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL INJECTOR FUEL LINES AND CLAMPS. NEXT DUE 498.30
ENGINE TOTAL TIME.
- 2.3** COMPLETED INSTALLATION OF PART NUMBER 66K4F3SN-02, SN: 4F-2823023, LYCOMING EIS ELECTRONIC IGNITION
SYSTEM MAGNETO IN THE LEFT POSITION IN ACCORDANCE WITH LYCOMING SI 1569B, SI 1443S AND FAA AC
43.13-1B AND AC 43.13-2B. INSTALLED COCKPIT PLACARD. OPERATIONALLY TESTED IGNITION SYSTEM WITH NO
DEFECTS NOTED.
- 2.4** REMOVED AND REPLACED ENGINE OIL FILLER TUBE GASKET
- 2.5** I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.

Daniel King (DKING)

A&P4114293

Log Book Entry

4



251 Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 299.20 / 299.20

Off/On Hours: 2,747.1

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA80038

Date: 12/05/2023

Squawk

- 2.1** COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1 74/80, #2 77/80, #3 78/80, #4 76/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
GAPPED & TESTED SPARK PLUGS.
- 2.2** COMPLIED WITH AD 2015-19-07 FUEL INJECTOR LINES INSPECTION. NO DEFECTS NOTED NEXT DUE AT: 399.20 ETT
OR 12/2024
- 2.3** I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.

Daniel King (DKING)

A&P4114293

Log Book Entry



251 Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 199.00 / 199.00

Off/On Hours: 2,646.9

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA78310

Date: 10/24/2023

Squawk

- 2.1** COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1_75/80, #2_78/80, #3_76/80, #4_77/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
GAPPED & TESTED SPARK PLUGS.
- 2.2** COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL INJECTOR FUEL LINES AND CLAMPS. NEXT DUE 299.0 ENGINE
TOTAL TIME.
- 2.3** REPLACED GASKET FOR OIL FILTER ADAPTOR. LEAK CHECK GOOD.
- 2.4** REPLACED GASKET ON OIL FILLER TUBE. LEAK CHECK GOOD.
- 2.5** REPLACED ACCESSORY DRIVE ADAPTER GASKET WITH NEW. LEAK CHECK GOOD.
- 2.6** REPLACED RIGHT MAGNETO ADAPTER GASKET WITH NEW. LEAK CHECK GOOD.
- 2.7** I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.

William Perman (WPERMAN)

A&P2702536IA



251 Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 99.40 / 99.40

Off/On Hours: 2,547.3

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: APA76848

Date: 09/19/2023

Squawk

- 2.1 COMPLETED A 100 HOUR INSPECTION OF THIS ENGINE.
PERFORMED DIFFERENTIAL COMPRESSION CHECK: #1_78/80, #2_77/80, #3_78/80, #4_76/80.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED WITH NO DEFECTS NOTED. INSPECTED OIL SUCTION SCREEN
WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER AND SERVICED ENGINE WITH AEROSHELL 15W-50. CLEANED,
GAPPED & TESTED SPARK PLUGS.
- 2.2 COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL INJECTOR FUEL LINES AND CLAMPS. NEXT DUE 199.4 ENGINE
TOTAL TIME.
- 2.3 REPLACED GASKET ON OIL FILLER TUBE AND RE-TORQUE.
- 2.4 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.

William Perman (WPERMAN)

A&P2702536IA



51 Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 2.30 / 2.30

Off/On Hours: 2,450.2

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: IWA75591

Date: 08/17/2023

Squawk

1.1

PERFORMED POST ENGINE BREAK IN INSPECTION, NO DISCREPANCY FOUND.

ANTHONEE EDWARDS
A&P 4499529

*** End of Document ***



Little Falls Dr
Wilmington, DE 19808
United States

Telephone: 929-333-8043

Fax: 904-758-0672

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 0.00 / 0.00

Off/On Hours: 2,447.9

Part/Model number: IO-360-L2A

Serial Number: RL-33828-51E

Work Order No: IWA74831

Date: 08/15/2023

Squawk

4.1

THIS ENTRY STARTS A NEW ENGINE LOG.

INSTALLED ENGINE MODEL: IO-360-L2A S/N:RL-33828-51E TSN: 0.0 TSO: 0.0.

SERVICED ENGINE WITH OIL AND TEST RAN WITH NO LEAKS OR DEFECTS NOTED.

100HR INSPECTION DUE ONCE ENGINE HAS ACCUMULATED 100HRS IN SERVICE SINCE INSTALLATION ON THIS AIRCRAFT.

MIKE MCCOY
A&P 3063747

Rebuilt Engine Certificate of Conformance

This is to certify that the engine as described hereinafter has been REBUILT in accordance with the applicable Lycoming specifications. It has been determined airworthy to return to service and is in a condition for safe operation. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Publications have been complied with. All accessories as part of the type certificate are new or newly rebuilt. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

LYCOMING



Part Number RENPL-RT11127
Serial Number RL-33828-51E
Engine Model IO-360-L2A
Work Order NF815067
Total Time 0

5/19/23
Authorized Representative Date

Production Certificate #3

Form 2481 Rev 05/13

652 Oliver Street Williamsport, PA 17701 U.S.A.
Lycoming Engines is a division of Avco Corporation

N20747

Work Order No: IWA74831

4

Part/Model number: IO-360-L2A

Ref: 15