TRIAD

AVIATION

ENGINE LOG BOOK

TRIAD AVIATION, INC.

TRIAD AVIATION, INC.
FAA CRS# PP4R448M
BURLINGTON - ALAMANCE
REGIONAL AIRPORT (KBUY)
3439 S. AVIATION DR.
BURLINGTON, NC 27215
PH: 800-334-6437
336-227-1467

Engine Manufacturer: LYCOMING

Engine Model Number: IO 360 A1B6D

Engine Serial Number: L-18466-51A

Total Time on Engine: 2148 **hours**

Time Since Major Overhaul: 0 **hours**

Date: 9/21/2021

Mfr Recommended TBO: 2000 **hours**

This Engine is Currently Installed in Aircraft:

N52944

TRIAD AV
overhauled
recommend
complied w
under work

MAKE LY

S/N L-18

TSMOH

A

Test Ran
RPM 270
RPM, L
This engi
repair sta
Signed:

TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual new limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 26308

DATE 07/07/2021

MAKE LYCOMING

MODEL IO-360-A1B6D

S/N L-18466-51A

ENGINE TOTAL TIME 2148

TSMOH 0.0

TBO 2000

TRIAD AVIATION

Triad Aviation, Inc.
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

Authorized Signature

07/07/2021
Date

Test Ran Lycoming IO-360-A1B6D Engine Serial Number L-18466-51A for 2 hours 15 minutes, RPM 2700, oil pressure 81 lbs, oil temperature 190 degrees, CHT 406. Magneto check at 2100 RPM, L 135 RPM, R 135 RPM. Compression test cylinder #1 79/80 #2 79/80 #3 79/80 #4 79/80. This engine and/or component is approved for return to service. All pertinent details on file at this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION # PP4R448M. WO# 26308

Signed: _____ Date: 07/07/2021

Date	Tach Tin	Total	------	Description of Maintenance Performed	etc.

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.

Engine Logbook Entry N52944 Work Order: 2565

Aircraft: Cessna 177RG
Engine: Cont. IO-360-A1B6D

Aircraft S/N: 177RG1315
Engine S/N: N/A

Spectrum Aero, LLC
4004 5th St.
Kissimmee, FL 34741
www.SpectrumAero.com

Tach: 8176.1 Hobbs:

SMOH: 37.3

Removed cowling. Drain oil. Removed filter. Cut open filter and visually inspected for metal, none detected at this time. Installed and secured new oil filter P/N: AA48103-2 and serviced engine with 7 quarts cross country 20W-50. Reinstalled cowling. Work performed I.A.W Cessna 177RG.

C/W AD15-19-07 fuel injector lines- next due at tach 8251.6

I certify this engine is determined to be in an airworthy condition and is approved for return to service. All work was performed in accordance with current Federal Aviation Regulations, and Cessna 177RG maintenance manual.

Charles Wilson C. wilson
A&P Mechanic 3114515 I.A

Date released: 11/8/2021

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.

Engine Logbook Entry N52944 WO:2637

Aircraft Make and Model: CESSNA 177RG
Engine Make and Model: Cont. IO-360-A1B6D

Aircraft S/N: 177RG1315
Engine S/N: N/A

Spectrum Aero, LLC
4009 5th St. Ste. 102
Kissimmee, FL 34741
407-888-9011
www.SpectrumAero.com

Tach: 8214.64 Hobbs: SMOH: 75.8

The following work was performed:

Removed cowling. Drain oil, removed filter. Cut open filter and visually inspected for metal, none detected at this time. Serviced engine with 7 quarts of Phillips X/C 20W-50. Reinstalled cowling. Removed injector nozzles and cleaned ultrasonic bath and reinstalled and did post run up and GPH increased to 18.2. A.D. 15-19-07 fuel injects line inspection. Work performed I.A.W Cessna 177RG

I certify that this aircraft was inspected in accordance with current Federal Aviation Regulations and manufacturer's maintenance manual and is approved for return to service.

Charles Wilson C. wilson
A&P Mechanic 3114515 I.A.

Date released: 1/7/2022

Engine Logbook Entry **N52944** **WO:2677**

Spectrum Aero, LLC
4009 5th St. Ste. 102
Kissimmee, FL 34741
407-888-9011
www.SpectrumAero.com

Aircraft Make and Model: CESSNA 177RG **Aircraft S/N: 177RG1315**
Engine Make and Model: Cont. IO-360-A1B6D **Engine S/N:** N/A

Tach: 8248.37 SMOH 109.6

Removed cowling. Drain oil, removed filter. Cut open filter and visually inspected for metal, none detected at this time. Serviced engine with 7 quarts of Phillips X/C 20W-50. Reinstalled cowling. Complied with A.D. 15-19-07 fuel injector lines, clamps and fittings with no defects noted.

I certify the work above was performed in accordance with current Federal Aviation Regulations and IO-360-A1B6D maintenance manual and is approved for return to service.

Charles Wilson C. Wilson
A&P Mechanic 3114515 I.A.

Date released: 3/2/2022

16 April 2022

Lycoming O-360-A1B6D S/N L-18466-51A N52944 SNOH 126.29

Tach: 8265.09

Compiled with AD 2015-19-07 Inspection of Lycoming Engines Injector Lines. Performed visual inspection of lines and clamps. Check good. Performed 100-Hour inspection of PowerFlow Exhaust System IAW PowerFlow Systems Inc. Manual PFS-13706. Disassembled and lubed all slip joints. No cracks or deformities noted. Both due next at 8365.09 Hrs Tach.

Phillip C. Bracken I
Phillip C Bracken I
A&P 3217845 IA

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.

HALL AVIATION AIRCRAFT MAINTENANCE

Date: 8-22-22
N#: N52944
Tach: 8323.4

SMOH: 184.6

Drained and changed oil using Phillips 20W-50, Camguard additive, and a Tempest filter. Removed all spark plugs cleaned and gapped and performed a compression test. Checked and complied with all AD's to date. I certify that this Aircraft/Engine/Prop has been inspected I/A/W a annual inspection and found to be in a condition for safe flight.

1)76 2)78 3)76 4)74

Scotty Hall Scotty Hall IA 2722407

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
2/24/23	83		254.6	Drained and changed oil using Phillips XC 20W50, Camguard additive, and a Tempest filter P/N.

25 March 2023

Lycoming O-360-A1B6D S/N L-18466-51A N52944

Tach: 8391.89

Compiled with AD 2015-19-07 Inspection of Lycoming Engines Injector Lines. Performed visual inspection of lines and clamps. Check good. Due next at 8491.89 Hrs Tach. Removed spark plugs. Found #4 bottom plug insulator broken. Replaced plug with used serviceable plug P/N RHM-38E. Inspected, cleaned, gapped and tested plugs. Installed repaired ignition cap and harness. Routed wires and connected to plugs. Secured wires. Rerouted Tanis wire harness on left side if engine and secured.

Phillip C. Bracken I

Phillip C Bracken I
A&P 3217845 IA

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.

6 October 2023

Lycoming O-360-A1B6D S/N L-18466-51A
Tach: 8428.56 TTSN: 2437.76 TSO: 289.76

AD report provided to owner. Drained oil. Took cold oil sample for AvLabs at owner's request. Removed, cleaned and inspected oil suction screen. No debris found. Cleaned and reinstalled suction screen with new MS35769-21 crush gasket. Reserviced with 7 qts Phillips XC 20W-50. Added 12 oz. Of Camguard. Oil filter AA48110-2 off and on. Cut open old filter and examined element. No metal or debris found in filter. Packaged it for shipment to AvLabs for further analysis at owner's request. Torqued & safetied new filter. C/W AD 2015-19-07, Inspection of External Fuel Lines. Check good. Removed, cleaned, inspected & gapped plugs. Removed, inspected and cleaned air filter element. Dried and relubed IAW Challenger instructions. Replaced rear seal on air filter housing. Checked timing IAW Lycoming MM. Check good. Compression test results: #1 76/80; #2 77/80; #3 78/80; #4 76/80. Removed, checked and cleaned fuel inlet screen. Reinstalled with new o-rings P/N 951789 & 953541-10. Performed ICA requirements for Power Flow exhaust IAW PFS 1352-00 Rev. F. Check good, no cracks or damage. Lubed with anti-seize and reassembled. Check good. Ran engine. Op check good. No oil/fuel leaks. Mag drops approx. 60 per side. I certify this engine was inspected IAW FAR 43 Appendix D and Lycoming checklist for a 100 hour/annual inspection and was found to be in an airworthy condition.

Phillip C Bracken I

Phillip C Bracken I
A&P 3217845 IA

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL
LOG ID# 12806 24-April-2024 WO# 122568-0
N52944 S/N 177RG1315 CESSNA 177RG TACH 8475.5 TSMO 336.7 4 Pg 1/1

ENGINE LOG
DRAINED OIL AND REMOVED FILTER, CUT OPEN FILTER NO CONTAMINATES FOUND. INSTALLED NEW CHAMPION CH48103-1 OIL FILTER, TORQUED AND SAFTIED. FILLED OIL TO 8 QTS WITH PHILLIPS X/C 20W-50 OIL. RUN UP AND LEAK CHECK GOOD.

Matthew Noah McCabe 4/24/24

AP 4230063 IA MATTHEW NOAH McCABE Date

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL
LOG ID# 12904 16-July-2024 WO# 122723-0
N52944 S/N 177RG1315 CESSNA 177RG TACH 8526.2 TSMO 387.44 Pg 1/1

ENGINE LOG
DRAINED OIL AND REMOVED FILTER, CUT OPEN FILTER NO CONTAMINATES FOUND. INSTALLED NEW CHAMPION CH48103-1 OIL FILTER, TORQUED AND SAFTIED. FILLED OIL TO 8 QTS WITH PHILLIPS X/C 20W-50 OIL. RUN UP AND LEAK CHECK GOOD.

Matthew Noah McCabe 7/16/24

AP 4230063 IA MATTHEW NOAH McCABE Date

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL
LOG ID# 12925 07-August-2024 WO# 122761-0
N52944 S/N 177RG1315 CESSNA 177RG TACH 8543.5 Pg 1/1

ENGINE LOG
COMPLIED WITH AD 2015-19-07 INSPECTION OF FUEL INJECTION LINES PER LYCOMING S.B. #342G SUPPLEMENT 2. REPLACED 2 ADEL CLAMPS ON PUSHROD TUBES FOR CYL. 3 AND CYL.4 INJECTION LINES. NEXT DUE 8653.95, OR WHEN FUEL LINES ARE DISCONNECTED, MOVED OR LOOSENED.

Matthew Noah McCabe 8/7/24

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL
LOG ID# 12992 04-October-2024 WO# 122865-0
N52944 S/N 177RG1315 CESSNA 177RG TACH 8585.0 TSMO 446.24 Pg 1/1

ENGINE LOG
DRAINED OIL AND REMOVED FILTER, CUT OPEN FILTER NO CONTAMINATES FOUND. INSTALLED NEW TEMPEST AA48103-2 OIL FILTER, TORQUED AND SAFTIED. FILLED OIL TO 8 QTS WITH PHILLIPS X/C 20W-50 OIL. RUN UP AND LEAK CHECK GOOD.

Matthew Noah McCabe 10/4/24

AP 4230063 IA MATTHEW NOAH McCABE Date

Date		med cations, etc.

Lycoming O360-A1B6D **S/N:L-18466-51A** **N52944 October 30, 2024**
Tach: 8586.43 **TTSN: 2595.63** **TSO:447.63**

Did not change oil. Remove and Replace: Plugs with new Tempest URHM38S plugs. Compressions 1) 72 2)72 3) 73 4)75 / 80. Researched AD's to date. I certify this ***Engine*** has been inspected in accordance with an **Annual** inspection and was found to be in airworthy condition at this time and is **Approved for Return to *Service.***

NAME Justin M. Webb

SIGNATURE Justin M Webb

CERTIFICATE# IA2843431

Lycoming O360-A1B6D **S/N:L-18466-51A** **N52944 October 30, 2024**
Tach: 8586.43 **TTSN: 2595.63** **TSO:447.63**

Complied with AD 2015-19-07 Visual Inspection of fuel injection lines per Lycoming S.B #342G Supplement 2.

NAME Justin M. Webb

SIGNATURE Justin M Webb

CERTIFICATE# IA2843431

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL
LOG ID# 13161 08-April-2025 WO# 123188-0
N52944 S/N 177RG1315 CESSNA 177RG TACH 8613.2 TSMO 474.44 Pg 1 / 1

Engine Log Entry
Drained crankcase,took oil sample for oil analysis,removed oil filter,opened,cut,and inspected oil filter element No metal contamination found at this time.Serviced crankcase with 7 QTS. OF Phillips 20w50 X/C WITH 16 OZ OF CamGuard oil additive. Operational and leak check during ground run up checked good.

Alberto Rodriguez 04/08/25
A&P 2630954 ALBERTO RODRIGUEZ Date

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL
LOG ID# 13339 12-September-2025 WO# 123485-0
N52944 S/N 177RG1315 CESSNA 177RG TACH 8629.6 TSMO 490.84 Pg 1 / 1

ENGINE LOG
DRAINED OIL AND REMOVED OIL FILTER. OIL FILTER CUT OPEN AND INSPECTED FOR CONTAMINATES, NONE FOUND.
INSTALLED NEW TEMPEST AA48103-2 OIL FILTER, TORQUED AND SAFTIED. FILLED OIL WITH 8 QTS PHILLIPS X/C
20W-50 OIL. RUN UP AND LEAK CHECK GOOD.

Matthew Noah McCabe 9/12/25
AP 4230063 IA MATTHEW NOAH McCABE Date

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.

3/3/2026 ENGINE LOG ENTRY N52944 TACH: 8630

Completed an annual inspection of this engine in reference to FAR 43 appendix (d). Changed engine oil and filter, serviced with Phillips XC. Inspected filter media and suction screen, no debris noted. Compression test results: 74, 78, 75, 72 over 80 psi. Serviced spark plugs, verified magneto timing. Inspected engine mount and vibration isolators, no defects noted. Inspected flexible oil and fuel hoses, no defects found. Post inspection run-up and leak check good. "The engine noted above has been inspected / repaired IAW the above references and has been found to be in an airworthy condition and has been approved for return to service".

MICHAEL HUGHES AP/IA 3361639

3/3/2026 ENGINE LOG ENTRY N52944 TACH: 8630
COMPLIED WITH AD 2015-19-07 VISUAL INSPECTION OF FUEL INJECTOR LINES. NO DEFECTS NOTED. MICHAEL HUGHES AP/IA 3361639

TRIAD
AVIATION

TRIAD AVIATION, INC.

FAA CRS# PP4R448M

Burlington / Alamance Regional Airport *(KBUY)*

3439 S. Aviation Dr. Burlington, NC 27215

800-334-6437 336-227-1467