

LEFT



# **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: I0320-B1A

Engine Serial Number: 1-5860-55A

Total Time on Engine: \_\_\_\_\_ hours

Time Since Major Overhaul: \_\_\_\_\_ hours

Date: \_\_\_\_\_

Mfr Recommended TBO: 2000 hours

This Engine is Currently Installed in Aircraft:

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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 # 26397

DATE 07/29/2021

MAKE LYCOMING

MODEL IO-320-B1A

S/N L-5860-55A

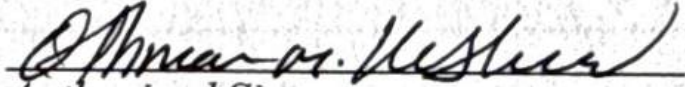
ENGINE TOTAL TIME \_\_\_\_\_

TSMOH 0.0

TBO 2000

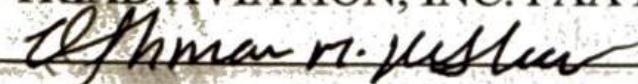


Triad Aviation, Inc.  
Burlington Municipal Airport  
3439 South Aviation Drive  
Burlington, NC 27215  
336-227-1467

  
Authorized Signature

07/29/2021  
Date

Test Ran Lycoming IO-320-B1A Engine Serial Number L-5860-55A for 2 hours 15 minutes, RPM 2700, oil pressure 80 lbs, oil temperature 186 degrees, CHT 350, Magneto check at 2100 RPM, L 130 RPM, R 130 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# 26397

Signed:  Date: 07/29/2021

**Date:** 08/10/2021

**Hours:** TSMO: .000 hours TACH 7202.2

**Tail:** N8666Y

**Make:** Lycoming

**Model:** IO-320-B1A

**S/N:** L-5860-55A

**Name:** James E Williams

**Cert:** 3176562

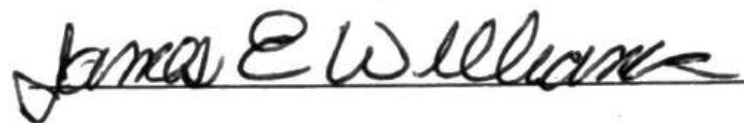
**Co:**

**Signed:**

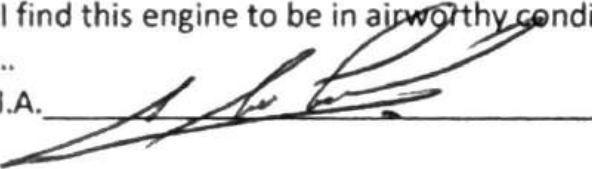
Installed left engine after major overhaul. Replaced engine shock mounts p/n J-9613-19. Re-torqued IAW Piper Service Manual Twin Comanche 753-645. Replaced exhaust gaskets, REM 40E plugs. Magnetos rebuilt. Replaced CHT probe #3 cylinder p/n 10-18500 EDM. Installed tempest oil filter. Serviced with 8 quarts Aeroshell Mineral 100. Adjusted mixture/throttle/prop controls. Replaced lower fuel drain hoses. Replaced alternator drive belt p/n 37A1977338. AD-90-04-06 R1 Prop governor clamps. Installed IAW SB. AD 15-19-07 Fuel injector lines. Clamps pcw visually inspected for security. Next due at 7302.2 or 08/2022. AD-04-10-14 Crankshaft gear due at prop strike. AD-05-12-06 Magneto. Impulse couplings. L/R magnetos BL-50514-1. Rebuilt at engine overhaul. Next due at Left tach 7702.2 per 500 hours. Ground ran up. Oil P.S.I temperature magneto drop-normal.

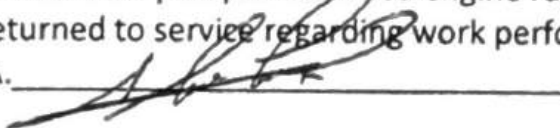
I certify that this engine has been inspected with a 100 hour inspection and has been found in airworthy condition.

James E. Williams IA 3176562

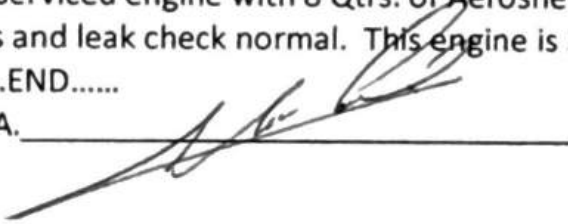
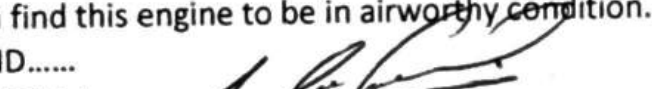




Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
6-4-22	TACH: 7289		TSMOH: 86.8	CHAMPION OIL FILTER OIL CHANGE 8 QTS AEROSHELL W100 PLUS & CAM GUARD
				GINNELL/PILOT: BRADYDEN ZIMMERMAN IV CERT: 4125160
				<b>LEFT ENGINE</b>
				DATE: 11-01-2022                      N8666Y                      ENGINE S/N: L-5860-55A
				MODEL: LYC. IO-320-B1A    TACH: 7331.4    TTSN: 5379.72    TSMOH: 129.2
				I certify that I have inspected this engine in accordance with 14 CFR Part 43 Appendix -D ANNUAL INSPECTION. Additional work performed: Drained engine oil, removed oil filter, cut open oil filter, no metal or contaminant found, removed oil screen, inspected and cleaned, no contaminants found, installed oil filter P/N AA48110-2, serviced engine with 8 Qtrs. of Aeroshell W100 PLUS oil; Removed and replaced LH alternator P/N: ALX-8521, S/N: H-W081725 in overhauled condition, removed and replaced alternator belt adjusting bracket P/N: LW-18756 , idler pulley P/N: 78614, pulley bearing P/N: 52018BKZZ, alternator support bracket P/N: 77756, alternator belt P/N: 37A19773-382 ; Removed spark plugs, cleaned, gapped, tested, and installed spark plugs; Removed and replaced air filter P/N: BA-10. Checked magneto timing; Performed compression check: #1 – 74/80, #2 – 77/80, #3 – 80/80, #4 – 78/80; Cleaned, inspected, and lubricated engine control cables and rod-ends. Verified compliance of all applicable AD's through November 21, 2022 as of Biweekly 2022-24/-25 (see attached AD Compliance Record). Performed engine run-up, Ops and leak check normal. I find this engine to be in airworthy condition. This engine is returned to service.....END.....
				Alain Camous A&P 3687058 I.A. 

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
<p style="text-align: center;">LEFT ENGINE</p> <p>DATE: 03-02-2023                      N8666Y                      ENGINE S/N: L-5860-55A  MODEL: LYC. IO-320-B1A    TACH: 7382.18    TTSN: 5430.5    TSMOH: 179.98  Drained engine oil, removed oil filter, cut open oil filter, no metal or contaminant found, removed oil screen, inspected and cleaned, no metal nor contaminants found, installed oil filter P/N AA48110-2, serviced engine with 8 Qtrs. of Aeroshell W100 PLUS oil; Removed and replaced LH vacuum pump with new pump. Performed engine run-up, Ops and leak check normal. This engine is returned to service regarding work performed. ....END.....  Alain Camous A&amp;P 3687058 I.A. </p>				
10-14-2023	7437.7		235.5	OIL CHANGE 8 QTS AEROSHELL PLUS W100 OWNER/PILOT: BRUNNEN ZIMMERMANN 4125160
11-9-2023	7488		285.8	OIL CHANGE 8 QTS AEROSHELL W100 OWNER/PILOT: BRUNNEN ZIMMERMANN CERT: 4125160



Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
				<p style="text-align: center;"><b>LEFT ENGINE</b></p> <p><b>DATE: 06-28-2024</b>                      <b>N8666Y</b>                      <b>ENGINE S/N: L-5860-55A</b>  <b>MODEL: LYC. IO-320-B1A</b>    <b>TACH: 7545.22</b>    <b>TTSN: 5593.54</b>    <b>TSMOH: 343.02</b>  Drained engine oil, removed oil filter, cut open oil filter, no metal or contaminant found, removed oil screen, inspected and cleaned, no metal nor contaminants found, installed new oil filter P/N AA48110-2, serviced engine with 8 Qtrs. of Aeroshell W100 PLUS oil; Performed engine run-up, Ops and leak check normal. This engine is returned to service regarding work performed. ....END.....  Alain Camous A&amp;P 3687058 I.A. </p>
				<p style="text-align: center;"><b>LEFT ENGINE</b></p> <p><b>DATE: 10-04-2024</b>                      <b>N8666Y</b>                      <b>ENGINE S/N: L-5860-55A</b>  <b>MODEL: LYC. IO-320-B1A</b>    <b>TACH: 7596.65</b>    <b>TTSN: 5644.97</b>    <b>TSMOH: 394.45</b>  I certify that I have inspected this engine in accordance with 14 CFR Part 43 Appendix -D <b>ANNUAL INSPECTION</b>. Additional work performed: Drained engine oil, removed oil filter, cut open oil filter, no metal or contaminant found, removed oil screen, inspected and cleaned, no contaminants found, installed oil filter P/N AA48110-2, serviced engine with 8 Qtrs. of Aeroshell W100 PLUS oil; Removed spark plugs, cleaned, gapped, tested, and installed spark plugs; Removed and inspected air filter, found normal; Checked magneto timing; Performed compression check: #1 – 73/80, #2 – 77/80, #3 – 68/80, #4 – 78/80; Cleaned, inspected, and lubricated engine control cables and rod-ends, performed engine run up, found tachometer reads 2590 RPM when engine is at 2700 RPM per Lazer tachometer, informed customer of discrepancy, new tach on order, tach placarded accordingly. Verified compliance of all applicable AD's through October 30th, 2024 as of Biweekly 2024-22 (see attached AD Compliance Record). Performed engine run-up, Ops and leak check normal. I find this engine to be in airworthy condition. This engine is returned to service.....END.....  Alain Camous A&amp;P 3687058 I.A. </p>



, etc.

Date

LEFT ENGINE

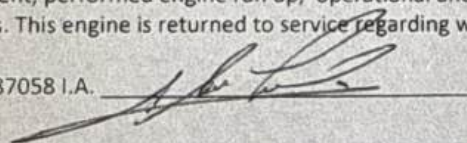
DATE: 03-03-2025 N8666Y ENGINE S/N: L-5860-55A

MODEL: LYC. IO-320-B1A TACH: 7709.46 TTSN: 5757.78 TSMOH: 507.26

Engine after fire, troubleshot, inspected, found no. 4 cylinder exhaust pipe broken at flange, found intake tube collars at cylinder heads loose and gaskets starting to disintegrate, found intake tubes hose couplings dry and very hard, possible intake leak, found rocker box drain tubes leaking at hose coupling, found fuel pump diaphragm leaking, removed and replaced fuel pump with new pump P/N: LW15473; removed and replaced No. 4 cylinder exhaust pipe with customer supplied serviceable pipe and flange assembly; Removed all intake tubes and replaced all gaskets P/N: 71973 and hose couplings P/N: SL-69603, reinstalled intake tubes; Removed and replaced all rocker box drains hose couplings P/N: SL-STD2180; washed engine and engine compartment, performed engine run up, operational and leak check normal, reinstalled all cowlings. This engine is returned to service regarding work performed.

.....END.....

Alain Camous A&P 3687058 I.A.



Work Performed

Inspections, Modifications, etc.

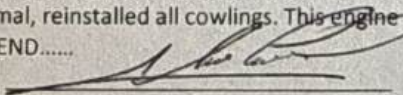
LEFT ENGINE

DATE: 04-03-2025 N8666Y ENGINE S/N: L-5860-55A

MODEL: LYC. IO-320-B1A TACH: 7709.46 TTSN: 5783.41 TSMOH: 53289

Engine after fire, troubleshot, inspected, found no. 1 cylinder exhaust pipe broken at flange, removed and replaced No. 1 cylinder exhaust pipe with customer supplied serviceable pipe and flange assembly; Drained engine oil, removed oil filter, cut open oil filter, no metal or contaminant found, removed oil screen, inspected and cleaned, no metal nor contaminants found, installed new oil filter P/N AA48110-2, serviced engine with 8 Qtrs. of Aeroshell W100 PLUS oil; Starter functioning intermittent, found faulty starter solenoid, removed and replaced starter solenoid; Washed engine and engine compartment, performed engine run up, operational and leak check normal, reinstalled all cowlings. This engine is returned to service regarding work performed. ....END.....

Alain Camous A&P 3687058 I.A.



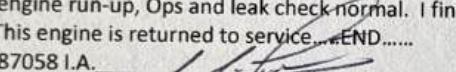


ns, etc.

Date

**LEFT ENGINE**

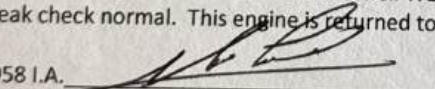
**DATE: 10-15-2025**      **N8666Y**      **ENGINE S/N: L-5860-55A**  
**MODEL: LYC. IO-320-B1A**    **TACH: 7868.77**    **TTSN: 5917.09**    **TSMOH: 666.57**

I certify that I have inspected this engine in accordance with 14 CFR Part 43 Appendix -D ANNUAL INSPECTION. Additional work performed: Drained engine oil, removed oil filter, cut open oil filter, no metal or contaminant found, removed oil screen, inspected and cleaned, no contaminants found, installed oil filter P/N AA48110-2, serviced engine with 8 Qtrs. of Aeroshell W100 PLUS oil; Removed spark plugs, cleaned, gapped, tested, and installed spark plugs; Removed and replaced air filter P/N : BA-10; Checked magneto timing; Performed compression check: #1 - 76/80, #2 - 75/80, #3 - 64/80, #4 - 78/80; Cleaned, inspected, and lubricated engine control cables and rod-ends; Removed and replaced starter with new starter P/N: 149NL. Verified compliance of all applicable AD's through Updated November 6th, 2025 / Biweekly 2025-23 (see attached AD Compliance Record). Performed engine run-up, Ops and leak check normal. I find this engine to be in airworthy condition. This engine is returned to service.....END.....  
Alain Camous A&P 3687058 I.A. 

ice Performed  
ns, Modifications, etc.

**LEFT ENGINE**

**DATE: 01-05-2026**      **N8666Y**      **ENGINE S/N: L-5860-55A**  
**MODEL: LYC. IO-320-B1A**    **TACH: 7919.26**    **TTSN: 5967.26**    **TSMOH: 716.74**

Drained engine oil, removed oil filter, cut open oil filter, no metal or contaminant found, removed oil screen, inspected and cleaned, no metal nor contaminants found, installed new oil filter P/N AA48110-2, serviced engine with 8 Qtrs. of Aeroshell W100 PLUS oil; Performed engine run-up, Ops and leak check normal. This engine is returned to service regarding work performed. ....END.....  
Alain Camous A&P 3687058 I.A. 





## **TRIAD AVIATION, INC.**

**FAA CRS# PP4R448M**

**Burlington / Alamance Regional Airport (*KBUY*)**

**3439 S. Aviation Dr. Burlington, NC 27215**

**800-334-6437**

**336-227-1467**