

N31JT



ENGINE LOG BOOK

TRIAD AVIATION, INC.

QUANTITY	PART NUMBER	DESCRIPTION	SALE AMOUNT
2	18A26093	BEARINGS	
4	18D26096	BEARINGS	
12	18M26105	BEARINGS	
12	LW-12186	NUTS	
1	AN565B1032H5	SET SCREW	
1	61084	SPRING	
8	LW-14820	RINGS	
8	71907	WASHERS	
2	72797	ROLLERS	
2	72965	ROLLERS	
1	STD-2251	BOLT	
1	06B23072	GASKET	
12	LW-12892	THRUST BUTTONS	
12	74637	BUSHINGS	
6	STD-1821	HOSES	
1	53E22144	VALVE ASSY	
2	68H22624	CUSHIONS	
6	69603	HOSES	
10	LW-16266-10-75	CLAMPS	
12	LW-16266-10-13	CLAMPS	
1	LW-13377	GASKET SET	
6	LW-13790	SHAFTS	
12	74644	BOLTS	
5	76220-P01	STUDS	
1	68759	TUBE ASSY	
4	LW-25-1.13	BOLTS	
5	68987	SHROUD TUBES	
1	76539	SEAT	
2	73136	BRACKETS	
12	RHM38E	SPARK PLUGS	
TOTAL			

Triad Aviation, Inc.
FAA Repair Station #PP4R448M
 3439 South Aviation Drive
 Burlington, NC 27215
 Telephone (336) 227-1467

NAME **Hanger Aviation**
 ADDRESS **3050 Transatlantic Way**
John's Island, SC 29455

843-559-3400	INVOICE / WORK ORDER
EMAIL clarkhanger@q	NO. 27261
EMAIL airplanes@bells	
MAKE LYCOMING	DATE 10/15/2022
MODEL IO-540-T4B5D	WRITTEN BY B.M.B.
REGISTRATION NO.	P.O. NO.
SERIAL NO. L-16947-48A	TACHOMETER

INSTRUCTIONS/WORK DESCRIPTION	
Overhaul Lycoming IO-540-T4B5D Engine Serial Number L-16947-48A. Overhauled and test ran. Crankcase - Cast# LW-13827 Match# 1629 - Repaired by Divco (WO# 103322) Crankshaft - P/N LW-17625 S/N V11293 (Customer Supplied) Camshaft - P/N 05K22721 - New by Lycoming (Tr# MS-575336) Cylinders - P/N 05K21104 - New by Lycoming (Tr# MS-562331) Magnetos - Dual 10-682560-11 - Overhauled by Kelly (WO# 1940041) Servo - P/N 2524673-8 S/N 72141T01 - Overhauled by PAM (WO# 1141T) Flow Divider - P/N 2524232-2 S/N ADD9141 - Overhauled by PAM (WO# 113FA) Nozzles - (6) 2524864-2 - Overhauled by PAM (WO# 112FX) Fuel Pump - P/N AF-15473 S/N 0Y0610 - New from AA (Tr# 054276) Harness - Dual M2919R - New from Champion (WO# 42355) Connecting Rods - (6) 74502 - Overhauled by Ly-Con (WO# 74214) Counterweights - (2) 72801 - Repaired by ACS (WO# 277486) CW 96-09-10 C dated 07/15/1996 To prevent oil pump failure due to impeller failure CW per SB 524 Installed new gear kit P/N 05K19423-S CW 2002-12-07 dated 07/03/2002 To prevent complete loss of engine oil and subsequent seizing of the engine and possibility of fire CW per SB 543A Installed new seal P/N 13B23072 CW 2004-10-14 C dated 06/25/2004 To prevent loosening or failure of the crankshaft gear retaining bolt CW per SB 475C Ctd Pg. 2... This engine and/or component is approved for return to service. All pertinent details on file this repair station. TRIAD AVIATION, INC. FAA REPAIR STATION # PP4R448M. Signed: <i>[Signature]</i> Date: 03-21-2023	
I hereby authorize the following work to be done along with the necessary material, and hereby grant you and/or your employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above aircraft to secure the amount of repairs thereto. You will not be held responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control. X _____	
ENGINE OVERHAUL	
TOTAL PARTS	
MISCELLANEOUS PARTS	
ENGINE TRANSPORTATION	
TAX	
TOTAL	

MISCELLANEOUS PARTS

1	05K19423-S	Impeller Kit	
1	LW-10344	Oil Pump Hsing	
1	LW-10290	Idler Gear	
1	8000215	Oil Cooler	
1	CYLS	AOG FEE	

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 # 27261

DATE 03/21/2023

MAKE LYCOMING

MODEL IO-540-T4B5D

S/N L-16947-48A

ENGINE TOTAL TIME _____

TSMOH 0.0

TBO 2000

**TRIAD
AVIATION**

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

Offman M. Kestner
Authorized Signature

03/21/2023

Date

Test Ran Lycoming IO-540-T4B5D Engine Serial Number L-16947-48A for 2 hours 15 minutes, RPM 2600, oil pressure 81 lbs., oil temperature 185 degrees, CHT 322. Magneto check at 2100 RPM, L 90 RPM, R 90 RPM. Compression test cylinder #1 79/80 #2 79/80 #3 80/80 #4 80/80 #5 79/80 #6 80/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION #PP4R448M. WO# 27261

Signed: _____

Offman M. Kestner Date: 03/21/2023

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