

**TRIAD**  
**AVIATION**

**Triad Aviation, Inc.**

3439 South Aviation Drive  
Burlington, NC 27215  
336/227-1467

**FAA-PP4R448M**

**N83924**

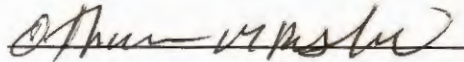
**Log Book**

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 and Service Bulletins are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 17216 DATE 4/29/08

MAKE Lycoming MODEL IO-540-K1G5D  
S/N L-21180-48A TOTAL TIME 3527.4  
TSMOH 000.00 TBO 2000

**TRIAD**  
AVIATION

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

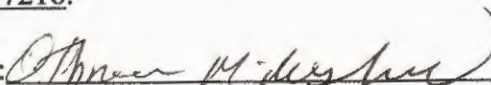
  
Authorized Signature

#### Engine Record General Information

Manufacturer Lycoming Model IO-540-K1G5D  
Serial L-21180-48A Type Certificate \_\_\_\_\_  
This engine is currently installed in aircraft N83924 PA 3212301  
S/N 32128113070

Minimum Octane Fuel \_\_\_\_\_ Oil Grade: Summer \_\_\_\_\_ Winter \_\_\_\_\_  
Magnetos Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_  
Spark Plug Gap \_\_\_\_\_  
Manufacturer recommended overhaul at \_\_\_\_\_ hours

Test ran Lycoming IO-540-K1G5D engine S/N L-21180-48A for 2 hours 15 minutes, RPM 2700, oil pressure 80 lbs, oil temperature 200 degrees, CHT 391 mag check at 2100 RPM, L 60 RPM, R 50 RPM. Compression test cylinder #1 77/80 #2 77/80 #3 75/80 #4 76/80 #5 77/80 #6 78/80. 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# 17216.

Signed:  Date 4/29/08



DATE 20 08	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-20	3527.4		3527.4	This Engine Re-Installed on P/P
TSO	-0-			N 83924, 3212301 S/N 8113070 This date
Prop.	228.10			& Time using New Lord Mounts & Bolts.
Gov	-0-			Oil Coolers were O/H By Drake Air
				on W/O # 448155 & 448156. Fuel, Air &
				oil hoses Repl. FWF. Prop Gov O/H by
				New England Prop Serv. on W/O CR 34597.
				Gov S/N D948UT. Engine Serviced 13
				QTS Aero Shell 100 Mineral oil. Run up
				& Leak Check OK. Engine Idle Speed
				& Mixture Adjusted AS Required.
				Robert O'Donnell A/P 2116219
				JA

DATE 20 09	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-16	3559.9		32.5	Removed defective Starter M24222
TSO	32.5			S/N A147313. Installed Replacement
				Starter M24222 S/N A137850 Supplied
				by Triad Aviation, O/H by Aero Tech of
				Louisville on W/O # 93556 OPSCK
				OKAY. Robert O'Donnell A/P 2116219
6-15-09	3570.0		42.6	Oil drained Filter removed & Inspected,
TSO	42.6			New Filter Inst. Eng Serv. 12 gts A/S 5/50 -
				Coolers drained, Mag Timing ckd, Plugs ckd,
				Cleaned, Fuel Screens Cleaned. Cyl Comp 176/80
				276/80 376/80 476/80 576/80 676/80 Run & Leak Check OK. C/W AD
				08-14-07 F.I. Lines InsP Part J & K. NO DEFECTS. NOTED
				Robert O'Donnell A/P 2116219 JA

DATE 2012	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10-18	3695.0		167.9	oil drained Filter removed & InsP. NO Abnormal Contamination Found. Fuel & oil screws ckd Plugs cleaned & gapped. Cyl Comp. 176/276/376/476/574/675/80. Mag Timing ckd. Eng Serviced 12 qts AS 15/50 Multi grade oil. Replaced Rocker Cover Gaskets ALL 6 Cylinders. AD's ckd Thru 2012-19, %w AD 2011-26-04 IAW Par h & i, P & SB 342F Fuel Inj Lines InsP. NO DEFECTS AT Pres. Next Due 3799.0 Engine run up & Leak Check OK. Total Time 2116219 TH

DATE 2013	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-20	3727.35	+32.35	200.25	MAGNETO Replaced with OIM
MAG	-		-0-	Mag. P/N 10-382560-13R, S/N OW H-1-M010732 Supplied by Triad Aviation OW w/o - Invoice 2025172 MAGSHED U.C.
12-12-13	3759.7	+64.7	232.6	oil drained, Filter removed & Inspected NO Contamination Found. Fuel & oil screws ckd, Plugs cleaned & gapped, Cyl Comp. 176/274/374/476/575/675/80, Mag Timing ckd. %w AD 11-26-04 Par h & i, SB 342F, Fuel Inj Lines InsP NO DEFECTS. Engine Serviced 11 qts Aeroshell 15/50 Run up & Leak Check OK. AD's ckd Thru 2013-24, 100 others APPLX. Annual InsP. Completed This DATE. Total Time 2116219 TH



DATE 2017	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
4-20	3827.4		3827.4	Oil drained, Filter removed & inspected. No Abnormal Contamination Found. Oil & Fuel Screens ckd, Plugs cleaned, gapped, Cyl Comp CK.
Eng	300.00			1 <sup>74</sup> / <sub>80</sub> 2 <sup>75</sup> / <sub>80</sub> 3 <sup>75</sup> / <sub>80</sub> 4 <sup>74</sup> / <sub>80</sub> 5 <sup>74</sup> / <sub>80</sub> 6 <sup>74</sup> / <sub>80</sub> ,
Prop	132.4			Magn timing ckd, Engine Servo. 12
MAG	100.05			gts Aeroshell 15/50. New Champion
				Filter Inst. Engine run up + leak
				check OK. Act's checked thru 2017-
				07, Yw 15-19-07, Fuel Inj Lines Insp.
				law Part 2-1, ii MSB 342G-NODEF. Next
				due 3927.4 Tachos 4-18. NO OTHERS APPLY
				Isabel G. Darrig A-P2116219-TM

DATE 20 <u>18</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-11	3838.9		3838.9	Oil drained, Filter removed & Inspected.
Eng	311.5			No Contamination Found. Fuel & oil Screens
Prop	143.9			checked, Plugs Cleaned, gapped, Timing checked
MAG	111.55			Cyl Comp 1 $75/80$ 2 $76/80$ 3 $75/80$ 4 $74/80$ 5 $74/80$ 6 $75/80$
				New Champion Filter Installed, Eng
				Serviced 12 qts Arco shell 15/50 Multi grade
				oil, 9w AD 15-19-07, Fuel Inj line Insd.
				IAW PAR E-1-ii, MSB 346 G Mod 2 Facts
				Noted at this time next due 3938.9 or
				5-19. No others APPLY AT Present. Eng.
				run up & leak check OK. Total Time
				A-P 2116219
				JA

DATE 2019	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
6-01-19	3868.3			Annual Inspection completed this date. Ad's ckd 2019-09, CW 15-19-07 F.I. line insp. IAW PAR e-1-ii SB 342G, No defects at pres. Next due 3968.3 tach or 6-20. No other apply to this engine at present. Oil drained, filter removed + inspected, No abnormal contamination found, fuel + oil screens checked, Spark plugs cleaned, gapped. Cyl Compression, 1) 70/80 2) 70/80 3) 72/80 4) 70/80 5) 72/80 6) 70/80, Installed new Main eng Air filter BA-3, Magneto timing checked, Checked rocker cover gaskets Installed new ones on #3 + #4, intake clamps, and exhaust hardware for security. Engine washed down. Serviced engine 11 quarts of AeroShell 15-50, Installed new Champion CH48103-1 filter, Engine run up + leak check ok.  Sussex Aero Maintenance, Inc (302) 856-7059 Phone 21791 Aviation Ave (302) 856-4345 Fax Georgetown DE 19947  Date: <u>6-1-19</u> Total time: <u>3868.3</u> Tach time: <u>3868.3</u> I certify that this <u>Engine</u> has been inspected in accordance with <u>Annual</u> inspection, and was determined on this Date: <u>6-1-19</u> and tach time: <u>3868.3</u> to be in a airworthy condition <u>Stephen Galvacky</u> Stephen Galvacky A&P 3569265 IA
Eng	340.9			
Prop	173.3			
Mag	140.95			

DATE 2020	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-15-20	3978.2			Annual Inspection completed this date. Ad's ckd 2020-13, CW 15-19-07 F.I. line insp. IAW PAR e-1-ii SB 342G, No defects at pres. Next due 3978.2 tach or 7-21. No other apply to this engine at present. Oil drained, filter removed + inspected, No abnormal contamination found, fuel + oil screens checked, Spark plugs cleaned, gapped. Cyl Compression, 1) 78/80 2) 78/80 3) 78/80 4) 78/80 5) 77/80 6) 79/80, Installed new Main eng Air filter BA-3, Magneto timing checked, Checked rocker cover gaskets and exhaust hardware for security. Engine washed down. Serviced engine 12 quarts of AeroShell 15-50, Installed new Champion CH48103-1 filter, Engine run up + leak check ok.  Sussex Aero Maintenance, Inc (302) 856-7059 Phone 21791 Aviation Ave (302) 856-4345 Fax Georgetown DE 19947  The below statement in no way, implies or guarantees that this aircraft, or engine, or accessories will continue to function for any period of time after this inspection, and only states that this aircraft was inspected and certified to comply with all applicable Federal Aviation Administration Standards, airworthiness directives and FAR Part 43 Appendix D. Date: <u>7-15-20</u> Total time: <u>3878.2</u> Tach time: <u>3878.2</u> I certify that this <u>Engine</u> has been inspected in accordance with <u>Annual</u> inspection, and was determined on this Date: <u>7-15-20</u> and time: <u>3878.2</u> to be in a airworthy condition <u>Stephen Galvacky</u> Stephen Galvacky A&P 3569265 IA
Eng	350.8			
Prop	183.2			
Mag	150.85			



DATE 20 <u>21</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-6	3879.10		3879.10	Oil drained, Filter removed and inspected.
SOH	351.7			No Contamination Found Fuel & oil Screens
MAG	151.75			CK'd, Plugs Cleaned, gap checked. All Plugs then replaced with 12 New Champion
				RHM38E Plugs. Cyl Compressions were
				180/80 278/80 377/80 478/80 578/80 679/80 New
				Champion CH48103 Filter Installed Engine
				Service 11 qts Aeroshell 15/50 oil. Engine run
				up & tank check OK. Ad's checked thru
				2021-14. 4w AD 15-19-07, Fuel inj lines, IAW
				Par E-I-ii Visual Insp. No Defects at Present
				NEXT Due 3979.10. NO OTHERS APPLY AT PRESENT

*Robert O'Donnell* A+P 2116219 IA

DATE 20 <u>23</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-10	3908.5		3908.5	Oil drained, Filter removed and Inspected.
SOH	381.1			No Contamination Found Fuel & oil Screens
MAG	181.15			CK'd, Plugs Cleaned & gapped. Cylinder Compressions
				178/80 277/80 377/80 478/80 578/80 678/80. New Champion
				48103 oil Filter installed, Eng Serviced 12
				qts Aeroshell 15/50 oil. Replaced all 6
				Rocker Cover gaskets Ad's CK'd Thru 2023-09
				issue 4w AD 15-19-07 Fuel Inj lines IAW
				Par E-I-ii Visual Insp. No Defects AT PRESENT
				Next due 4018.5 or AT Line Maint. No others
				APPLY AT PRESENT. <i>Robert O'Donnell</i>
				A+P 2116219 IA

