N8442H 1981 Piper PA-32-301

Engine Logbook SMOH 2019 - 2024

MSN: 32-8106098



Prepared by the worldwide aviation specialists at RidgeAire, Inc.



TRIAD AVIATION, INC.



TRIAD AVIATION, INC. FAA CRS# PP4R448M

BURLINGTON - ALAMANCE REGIONAL AIRPORT (KBUY) 3439 S. AVIATION DR. BURLINGTON, NC 27215

> Рн: 800-334-6437 336-227-1467

Engine Manufacturer:	Lycoming
Engine Model Number:	10-540-K1G5
Engine Serial Number:	L-30652-48A
Total Time on Engine:	2109 hours
ime Since Major Overhaul:	hours
Date:	4/1/2019
Mfr Recommended TBO:	2000 hours
This Engine is Curre	ently Installed in Aircraft: N 8442H

TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual 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 # 24674

DATE 03/18/2019

MAKE Lycoming

MODEL IO-540-K1G5

S/N L-30652-48A

ENGINE TOTAL TIME 2109

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

03/18/2019

Date

Test ran Lycoming IO-540-K1G5 engine serial number L-30652-48A for 2 hours 15 minutes, RPM 2700, oil pressure 79 lbs, oil temperature 188 degrees, CHT 336. Magneto check at 2100 RPM, L 125 RPM, R 125 RPM. Compression test cylinder #1 78/80 #2 79/80 #3 78/80 #4 79/80 #5 78/80 #6 77/80. 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# 24674

Signed: Of house of Mester Date: 03/18/2019

QUANTITY		DESCRIPTION	SALE AMOUNT	188				INVOICE/
2	18E26103 M03	BEARING	-	The State of the S	Triad Aviation, Inc.		(859) 233-9399	FORK ORDEP
6	18E26103 M03	BEARING		1000 000	EAA Beneir Station, IIIC.		EMAIL tom@airmart.c	/ / /
12	18N26106 M03			-	FAA Repair Station #PP4R448M	N	EMAIL grant@airmart.	NO. 24674
12	LW-12596	BOLT		-	3439 South Aviation Drive		MAKE	DATE
12		NUT		1	Burlington, NC 27215		Lycoming	
4		BUSHING		1	Telephone (336) 227-1467		MODEL	WRITTEN BY
8	LW-14820	RING		NAME AL			IO-540-K1G5	JMK
8	71907	WASHER		T	mart, Inc		REGISTRATION NO.	P.O. NO.
2	76788	ROLLER		414	4 Aviator Road, Suite 150		N8442H	
2	73648	ROLLER		Lex	ington, KY 40510		SERIAL NO.	TACHOMETER
1	61084	SPRING	_	1			L-30652-48A	2109
1	AN565B1032H5	SET SCREW	_	1	INSTRUCTIONS/WOR	L DESCRIPTION		2109
	STD2247	BOLT	+					
		FUEL PUMP	+	Overhaul I	Lycoming IO-540-K1G5 engine serial	number I_3065	72-48 A	
12		BUSHING	_	Overhauled	and test ran.			
	STD-2180	HOSE	_	Camshaft -	New from Lycoming P/N 05K22721 lo	. #D.4C £1000£		Programme and the second secon
2		CUSHION	+	Cylinders	New from Continued I (C) Post Trans	t #MS-512335		
1	73185-1	GASKET SET	+	ACTORDES	New from Continental (6) P/N TIST13	.0CA S/N AC18	IB404, AC18IB407,	The second secon
12		CLAMP	-	1 LYCIOTE / 32	7, AC181B783, AC181B416, AC181B80	2 wo#678539 6	78541	TOTAL AND
		CLAMP	-	Magnetos -	· P/N BL-349310-1 S/N F18JA043R P/N	NBL-349370-4 S	S/N F18K A222P rebuilt by	to a process to the control of the c
		TUBE	-	Continenta!	Motors wo#666743, 676445		STATISTICAL PROBLEM BY	Committee of the commit
		TUBE	+	Servo - P/N	2524273-12 S/N 72062E01 overhauled	l h D		
		TUBE	+	Flow Divid	er - PAI 2524222 2 CAL AGENCE	by Precision Ai	irmotive wo#I062E	
		BAFFLE		Now Divid	er - P/N 2524232-2 S/N A05J817 overh	auled by Precisi	on Airmotive wo#I05J8	
		NOZLE		Nozzies - N	ew from Precision Airmotive (6) P/N 25	24864-2 sl#011	550	
		BEARING	+	Starter - No	ew from Sky-Tec P/N 149-NL/ec S/N FI	NE-311670		
		SPARK PLUGS	-	Connecting	Rods - (6) P/N LW-199332 (6) bushing	P/N SI 13023 A	remained by Air	
		PINS	-	Specialties v	wo#246027	51/11 50137237	repaired by Aircraft	Security Comments of
		PLUG	-					TO THE PROPERTY OF THE PARTY OF
		HARNESS	-	Counterwe	ights - (2) P/N LW-19210 (8) bushings	P/N SL71903A-	A repaired by Aircraft	
		NUT	-	Specialties v	wo#238072			Manager and the same of
		NUT	-					
		STUD	-					
		BAFFLE		This er	ngine and/or component is approved	for return to ac	nation All andianat	Ores and the second second
		RING	-	details	on file this repair station. TRIAD AV	ATION INC.	ervice. All pertinent	The second second second second
		BOLT	-	STATIO	ON # PP4R448M.	IATION, INC. I	FAA REPAIR	
		TUBE						
1	14455			Signed	Othmen M. Husher	<u></u>	Date: 03/18/2019	
		TOTAL	1	10.45		ENGINE OVER		Continue to the second
	MISCEL	LANEOUS PARTS		I hereby author	ize the following work to be done along with the	- CHOINE OVERI	HAUL	
				permission to o	erial, and hereby grant you and/or your employees operate and fly the aircraft herein described for the	TOTAL PARTS	45	
		Same and the second second	4 40 0	purpose of test hereby acknow repairs thereto.	ing and/or inspection. An express mechanic's lien is ledged on above aircraft to secure the amount of	MISCELLANEO	US PARTS	
			10000	You will not be articles left in the	held responsible for loss or damage to the aircraft on the aircraft in case of fire, theft, or any other cause	N/A customer arr	ranges transport	
				beyond your co	ntrol.		42	44
	ACTIVITY OF THE REAL PROPERTY.		- Table 18	^_				
	NAME OF TAXABLE PARTY.	A STATE OF THE STA				TOTAL		

Engine Log Book 4/1/2019

Reg No: N8442H	Aircraft type: PA32-301	Aircraft S/N: 32-8106098
Tach: 1856.5 hours	Hobbs: N/A	Aircraft Total Time: 5795.1 hours
Engine Total Time: 2109 hours	Engine SMOH: 0 hours	Engine S/N: L-30652-48A
Prop Total Time: 5795.1 hours	Prop SMOH: 556.5 hours	Prop S/N: 040819

ied	
ations, etc.	igili.

- 1. Removed engine and sent to Triad Aviation for overhaul. Work Order No. 24674
- 2. Removed engine mount and sent to Aerospace Welding inc. to be overhauled. Work Order No. 185169
- 3. Installed overhauled engine mount with new hardware in accordance with piper service manual. P/N: 38727-02 S/N: 185169
- 4. Installed newly overhauled engine with new hardware in accordance with manufacturer's maintenance manuals.
- 5. Installed previous propeller back to overhauled engine in accordance with manufacturer's instructions.
- 6. Installed all new engine oil and fuel hoses forward of the firewall.
- 7. Installed engine with new engine isolator mounts.
- Installed new left oil cooler. P/N: 8000074 S/N: 10413354
- Installed new mixture cable.
- 10. Installed new rod ends on throttle and propeller cables.
- 11. Installed new prop governor. P/N: ATF4-11B S/N: D1021UJ
- 12. Removed precise flight standby vacuum system. See form 337
- 13. Installed new baffle seals.
- 14. Installed new starter P/N: 149-NL S/N: H-T011597
- 15. Installed new CH48110-1 oil filter and serviced engine with 12 quarts of aeroshelf 100 mineral oil.
- 16. Complied with AD2015-19-07 by visual inspection. No discrepancies found at this time AD next due at Tach 1966.5 hours.
- 17. Complied with AD2017-14-04 by installation of type TSO54a Type D hoses. No further action required.
- 18. Performed engine run up and found no discrepancies with work performed.

his aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with th	ne
urrent regulations of the Federal Aviation Administration and is approved for return to service for the work perform	ned.
01/1/2	

Robert A. Bourland 3795668 AP/IA

Date: 05/29/2019 Tail#: N8442H	Hours: Tach: 1879.8		Maintenance Performed Installations, Modifications, etc.
Make: Piper	Model: PA32-301	S/N: 328106098	
Drained oil, cut ope that just overhauled change oil in 10 to cleaned. Install oil	en oil filter, small metal fragments in d engine with 25 hours in April 201 15 hours and recheck filter). Inspe Filter P/N AA48110-2, Crush gask un up and leak check SAT.	9, see letter attached stating to ected suction screen and	
Name: Canyon Ae Co: Canyon Ae	하는 사람들이 얼마를 하는 것이 없었다.	Cert: 3472566 A&P gn: Cera (Mwyy)	
	하는 사람들이 얼마를 하는 것이 없었다.	0 - ()	
Name: Canyon Ae Co: Canyon Ae	하는 사람들이 얼마를 하는 것이 없었다.	0 - ()	
	하는 사람들이 얼마를 하는 것이 없었다.	0 - ()	

Date	Tach Time	Total Time	тѕмон	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
Lycoming Inspected new CH4 propeller Administ No: 2492 SIGNED Inspector	g IO-540-K1G d oil filter, four 8110-1 oil filt or appliance ration and is a 17, Dated: 21- c for FAA CRS ation, Inc. 34	s5, s/n: RL-306 nd no metal of er. Ground op identified abor approved for re Jun-2019.	ontaminants an eration and lea ve was repaired eturn to service	and borescoped cylinders. Serviced engine with 1 qt of AeroShell 100 oil and installed k checks were performed and no leaks noted. The aircraft, airframe, aircraft engine, d and inspected in accordance with current regulations of the Federal Aviation engine engine are on file at this repair station under Shop Order
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	7 10 10 10 10 10 10 10 10 10 10 10 10 10	1111		
		,		
	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
	T	4		
	A			
	1 d d d d d d d d d d d d d d d d d d d	10 mg		
	E 11 11 11 11 11 11 11 11 11 11 11 11 11			
		0 4		

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		Date: 07/02/2019 Hours: Tach: 1897.4	
Date	Tach Time	Make: Piper Model: PA-32-301 S/N: 32-8106098 Drained oil, removed and cleaned suc. screen, removed and cut open oil filter, no	ns, etc.
		contaminants noted. Install new oil filter PN# AA48110-2, installed suc screen with new gasket PN# AN900-16 and serviced with 11qts of aeroshell W100 oil. Checked engine compression (cold) #1 79/80 #2 78/80 #3 78/80 #4 79/80 #5 78/80 #6 76/80.	
	**************************************	Boroscoped cylinders, no deffects noted. IAW Piper PA-32-301 AMM, and LSB 480F. Run up and leak check sat.	
	**********		***************************************
-		Name: Canyon Aero LLC Cert: A&P 3148057	
		Co: Canyon Aero LLC Sign: Collins of Aero LLC	
	98.0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 % 0 %		

Date	Tach Time	Total Time	тѕмон	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
	Ta M Di no P/ m in	oted. Installe N AN900-16 A32-301 AM anufacturers stallation. In	moved oil filte d new oil filte 5. Serviced wi M 12-12-00. I s instructions. stalled cylinde	Model: PA32-301 Pri and cut open / cleaned suction screen, no contaminants of P/N AA48110-2, installed suction screen with new gasket th 11qts Aeroshell 15-50 IAW Lycoming SB480F and linstalled Reiff preheat systems kit #SL6 IAW Removed cylinders 1&3 intake tubes to facilitate heater ers 1&3 intake tubes with new gaskets (2) P/N LW-19296 at Intake tubes with new gaskets (2) P/N LW-19296 at Intake tubes with new gaskets (3) P/N LW-19296 at Intake tubes with new gaskets (4) P/N LW-19296 at Intake tubes with new gaskets (5) P/N LW-19296 at Intake tubes with new gaskets (6) P/N LW-19296 at Intake tubes with new gaskets (7) P/N LW-19296 at Intake tubes with new gaskets (8) P/N LW-19296 at Intake tubes with new gaskets (8) P/N LW-19296 at Intake tubes with new gaskets (8) P/N LW-19296 at Intake tubes with new gaskets (8) P/N LW-19296 at Intake tubes with new gaskets (9) P/N LW-19296 at I
	N		on Aero LLC on Aero LLC	Sign: Cert: 915R947C

Date: 04/27/2020 Hours: Tach: 1966.7 ETT: 2219.2 SMOH: 110.2

Tail#: N8442H

Make: Piper/Lycoming Model: PA-32-301/I0-540-KIG5 S/N: 32-8106098

Removed engine cowling, and performed a 100 hrs engine inspection referencing Piper MM (P/N 761-721) dated Oct 31, 2019, Lycoming Manual (P/N 60297-10) effective 3/2009 and Lycoming Torque Valued Recom (P/N SSP1776) effective 1/2007, and the scope and details of FAR 43 appendix D. Compression check as follows: #1-76/80, #2-74/80, #3-72/80, #4-79/80, #5-72/80, #6- 79/80. Cleaned, inspected, tested and gaped spark plugs. Checked engine timing Ok. Drained oil, and replenished with 11qts of aeroshell w15w50. Reinstalled spark plugs. Removed and cut open oil filter, no metal noted. Installed oil filter P/N AA48110-2. Removed and inspected oil suction screen, no metal to note, reinstalled suction screen with new crush gasket P/N AN900-16. Installed induction air filter P/N BA-3. Checked (AD 15-19-07 fuel injector fuel lines and clamps, C/W by Visual Inspection, installed new fuel manifold to nozzle tube assy P/N LW-12098-0-210 on #6 cylinder torqued B nuts to 35inlbs. Reinstalled engine cowling. Run up and leak check OK.

Name: Canyon Aero LLC

Co: Canyon Aero LLC

Cert: 915R9470

ign:

5

Date: 04/21/2020

Hours: Tach: 1966.7 ETT:2219.2 SMOH: 110.2

Tail#: N8442H

Make: Piper

Model: PA-32-301

S/N: 32-8106098

I certify this engine has been inspected IAW an 100 hr annual inspection referencing Lycoming Manual (P/N 60297-10) effective 3/2009, Lycoming Torque Valued Recom (P/N SSP1776) effective 1/2007, Piper Maintenance Manual (P/N 761-721) effective 10/31/2019 and FAR 43 appendix "D" and determined it to be in an airworthy condition at this time.

Name: Canyon Aero LLC

Co: Canyon Aero LLC

Cert: 915R947C

Sign:

Date: 09/29/2020 Hours: Tach: 2004.6 Tail#: 8442H Make: Piper Model: PA-32-301 S/N: 32-8106098 Oil sample obtained and sent to AVLabs for analysis. Drained oil and removed and inspected oil filter and suction screen no defects noted. Installed suction screen with new crush gasket PN: AN900-16, and new filter PN: AA48110-2 and serviced engine with 11 quarts of Aeroshell 15W-50. Runup and leak check good. Performed maintenance with reference to PA-32-301 AMM and Lycoming engines Service Bulletin No. 480F. Name: Canyon Aero LLC Cert: CR\$#915R947C Co: Canyon Aero LLC Inspections, AD's, SB's, Installations, Modifications, etc. Description of Maintenance Performed

Date	Tach Time	Total	тѕмон		intenance Performed stallations, Modifications, etc.
Make: PIP Date: 04/2 Engine Log Completed	the Following Compression Changed oil a no significant Oil sample tal Re-torque roc Replaced cylir Cleaned and a Complied with disrupts the lir Replaced cylir	test: #1- 79/80 nd filter. Service debris noted. ken using Black ker cover screen der No. 1 top gapped spark p AD 2015-19-1 nes. nder no. 4 fuel	ted engine with stone kit. ws. spark plug and lugs, checked in 2 Fuel injector line w	Model: PA-32-301 S/N: 32-8106098 Type: IO540K1G5 Total Time: 2277 3-75/80, #4-79/80, #5-79/80, #6-78/80. In 10 qts Phillips XC20W50 oil and filter p/n AA48 I No. 4 bottom spark plug, with new Champion F magneto-to-engine timing and replaced air filte Jeremiah Martin AP PENDING lines, by inspection. Due again in 110 hours TIS with new line p/n SL12098-0-210. check, no defects noted.	REM38E. r element with new BA-3 filter.
BE IN AIRW	HAT THIS ENG ORTHY COND Date: April 23,	ITION.		ACCORDANCE WITH AN ANNUAL INSPECTION A	Cert. No. AP3129806IA
Ages, Tueth Sundays			Do	bert G. Zimmerman	Page 1 of 1

Performe	sion #1 79 #2 74 #3 76 #4	Tach: 2059.0 TT: 2311.5 SMOH: 202.5 75 #5 78 #6 73/80 cold. Borescoped cylinders with no discrepancies noted raft with 12 quarts of Aeroshell 15w-50 and tempest AA48110-2 filter. Old filter cut open with no metal	
noted.	d on change serviced affer	all with 12 quarts of Actosilen 15w-50 and tempest AA46110-2 lines. Old lines cut open with no metal	
	old cork valve cover gask	tets and replaced with real gaskets RG-67193 and torqued cold to 25-inch pounds	
	-A.D.# 04-10-14 C1 Cran	nkshaft gear and gear retaining bolt N/A no prop strike noted next due: prop strike	
		d fuel injector lines I.A.W. A.D. and MSB 342G next due: 110hrs	
I certify th	nis aircraft was inspected in	n accordance with an annual inspection & completed at this date. Inspected Engine in accordance with FAR	
		ng Piper & Lycoming check list as additional guidance. All AD's complied with at this date using T-data see	
attached A		ontinued airworthiness checked. Aircraft found to be airworthy on this date. — Dakota Garlick A&P/I.A. 3621331	
		Dakota Garrick A&P/1.A. 3021331	
	discount brightness to be an option of the second		1
		Maintenance completed by Cherryhill Aviation Inc.	
9-1-2023	N8442H Log: Engine Ta	ach: 2070.6 TT: 2323.1 SMOH: 214.1	
-Compressi	ion #1 76 #2 78 #3 79 #4 79	9 #5 79 #6 79/80 hot. Borescoped cylinders with no discrepancies noted at this time.	
-Performed	oil change serviced aircraf	ft with 12 quarts of Aeroshell 15w-50 and tempest AA48110-2 filter. Old filter cut open with no metal	
noted.			
	dle mixture		
	park plugs, rotated, and rein		
		sshaft gear and gear retaining bolt N/A no prop strike noted next due: prop strike	
ale and a second		fuel injector lines I.A.W. A.D. and MSB 342G next due: 110hrs	
	-A.D.# 22-10-03 S-1200 se	eries magnetos roller bearings improper lubrication. NA due to serial number of L and R magnetos	
	-M.D.# 23-09-09 Families 0	of spot welded, multi segment v band couplings. NA no turbo or segment V band clamp installed.	*********
	s aircraft was inspected in	accordance with an annual inspection and completed at this data. I amount I I I I I I CORD	
I certify this	s aircraft was inspected in a	accordance with an annual inspection and completed at this date. Inspected Engine in accordance with CFR	
I certify this	s aircraft was inspected in a x D to part 43; per owner's	accordance with an annual inspection and completed at this date. Inspected Engine in accordance with CFR request; using Piper & Lycoming check list as additional guidance. All AD's complied with at this date.	
I certify this	s aircraft was inspected in a x D to part 43; per owner's ta see attached AD copy for	accordance with an annual inspection and completed at this date. Inspected Engine in accordance with CFR request; using Piper & Lycoming check list as additional guidance. All AD's complied with at this date details. All continued airworthiness checked. Aircraft found to be airworthy on this date.	
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TRIAD AVIATION, INC.

FAA CRS# PP4R448M

Burlington / Alamance Regional Airport (KBUY)

3439 S. Aviation Dr. Burlington, NC 27215

800-334-6437 336-227-1467