

RIGHT

THE **adlog**™ AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

RIGHT
ENGINE

**ENGINE
MAINTENANCE
RECORDS**



ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. N98NT

Engine Manufacturer LYC

Model IO-320-CIA

Serial No. L-4891-55A

Date installed on aircraft 4/15/99

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

Right Left
 Front Rear



AEROTECH PUBLICATIONS INC.

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DATE	TOTAL TIME IN SERVICE	SINCE OVERHAUL	METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
				TOTALS brought forward from previous page	
4/2/02		890.9	1897.0	100 hr insp. Completed this date (see previous log book for details)	
12-15-03		1003.9	2010.0	<p>Removed cowl. Inspected engine in accordance with Piper Service Manual inspection report Table III-1 for 100 hour annual requirements. Drained oil, replaced filter, cleaned turbo screen, re-filled with 8 quarts Phillips 20/50 XC. Replaced air filter. Removed #3 cylinder for low compression. Replaced rings, exhaust valve and exhaust guide, deglazed cyl and re-installed with new gaskets. Compression $7\frac{1}{2}/80$ or better on all cylinders. Removed & cleaned spark plugs, checked magneto timing. Replaced cowl chafe seal as required. Reinstalled cowling. Engine run-up check good.</p> <p>I certify this engine has been inspected in accordance with an annual inspection & is found to be in airworthy condition at this time. (See AD log AD list)</p> <p>Jeffrey D. Abramson NPF 303606097</p>	
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2/15/05				Renovated #3 cylinder for low power. Installed Corminil Cylinder Assy from ECI See 8130-3 dated 1-27-05. Engine run up check good. Jeffrey D. Hansen A4933606097	
12/1/05	2027.5			C/H 100hr/annual inspection. Cleaned oil, changed filter, Refilled w/8 qts Phillips 20w50 xc. Compression check all cylinders 70/80 or better. Engine run up and leak check good Jeffrey D. Hansen A4933606097	
01/09/07	1033.2 2039.5			Performed annual 1/100 hour 11A1W SAR 43 appendix D - Drained oil - inspected filter for metal - None found - Installed new CH 48110. Replaced Bracket air filter element BA-27. Refilled w/8 qts Phillips 20/50 xc Cleaned & tested plugs - Compression check all cylinders 70/80 or better. Checked Mag timing. Inspected exhaust system including turbo. Inspected all controls. Replaced all hoses per AD 81-19-04. Due again 01-2012. See list for all other AD's Approved for return to service Jeffrey D. Hansen A4933606097	
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London Aircraft Service Center Inc
150 Aviation Drive South
L3HR317N

N98NT Model:Piper PA-30 s/n #: 30-927 Date: 03/01/07
HobbsTime: 2052.0rs Total Time: _____ hrs
-- AIRFRAME --

-- AIRFRAME --

Found the add-on turbo charger on the right engine has failed. Cowling removed and turbo charger removed from right engine. Remove engine oil filter and open filter to check for contamination--no contamination found in filter. Installed a new engine oil filter. Service engine with 15W50 Phillips XC oil. Install customer supplied turbocharger rebuilt by Kelly Aerospace Power Systems RS# PQ1383CE-D on w/o# M3732060 dated Dec 21, 2006. Perform engine run confirming power out put from turbo and there is no oil leaks. Re-install cowling and clean exhaust track on bottom of wing to remove oil residue.

residue.
Work Order #: SO11043

Reference to the above work performed, this aircraft is airworthy and

In reference to the a
- used for service.

returned for service
Peter F. Holdgate

L3HR317N

9/14/07 20665 = 2090.6

Drained oil Replaced filter C498100

Re-filled w/8 gts Phillips 20w50 oil
Run-ups & leak check good

Jeffrey D. House

Ad 333606097

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			4666s	TOTALS brought forward from previous page
2/23/08			2092.2	<p>Removed cowl. Drained oil. replaced filter w/ new CH48110, Refilled w/ 8 qts Phillips 20W50 xc. Removed tested/Cleared spark plugs and reinstalled. Removed Right mag for sticky impulse - Cleared and reinstalled mag - checked timing Comp Check #1 $7\frac{1}{4}$ $\frac{1}{80}$ #2 $7\frac{1}{2}$ $\frac{1}{60}$ #3 $7\frac{1}{2}$ $\frac{1}{80}$ #4 $7\frac{1}{2}$ $\frac{1}{60}$</p> <p>Inspected intake & exhaust. Cleared and reinstalled injectors. Checked for leaks. Replaced intake filter BA-27</p> <p>Replaced valve cover gaskets w/ new silicone gaskets. Replaced broken CHT probe on #3 cyl w/ serviceable probe.</p> <p>Lubed & engaged engine controls</p> <p>Reinstalled cowl. Run up & leak check good. I certify this engine has been inspected 1/14/08 an annual/100hr inspection and was determined to be in airworthy condition at this time.</p> <p>All AD's current through 02-08</p> <p><i>Jeffrey D. Hansen</i> 1A803606087</p>
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				TOTALS brought forward from previous page
	16000s			
4/2/09	3104.8			<p>Removed cowl. Drained oil replaced filter w/ new CH 48110 w/ 8gts Phillips 20W 50YC cleaned plugs, compression check. all 7/8 or better, check mag. timing. Reinstab cowl. Run up check good. I certify this engine has been inspected FAW 100HR. inspection & determined to be in Airworthy Condition.</p> <p>Alan O'Otter AP2840649</p> <p>AD 08-19-05 Not Applicable ECI Cylinders not installed</p> <p>AD 08-14-07 Complied with by inspection of injection lines No defects Jeffy Johnson APB371820</p>
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9/7/11	1100.8	2107.1		<p>Removed Cowling, drained oil, replaced filter w/ new 48110, cleaned plug. Comp. check. All 72/80 or better. Check mag timing. Reinstall cowl. Run up check good. I certify this engine has been insp. IAW 100-HC. insp. & determined to be in airworthy cond.</p> <p>Al Oster Ap 2840682</p>

Ozark Aircraft Maintenance LLC

CAPE GIRARDEAU REGIONAL AIRPORT
CAPE GIRARDEAU MO

CAPE GIR.
October 19, 2020 N98NT Piper PA30 S/N 30-927
Hobbs 2107.1 TSOH 1100 8

Lycoming IO-320-C1A S/N 4891-55A (Right)

On this date performed the following work Drained oil and inspected filter. Added 8 Qts Phillip 20W50 X/C oil and 1 AA48108 filter. Checked compression 1. 70/80 2. 65/80 3. 69/80 4. 65/80 5. 74/80 6. 67/80. Cleaned gapped and tested spark plug. Tested ignition leads. Checked magneto timing. **AD2015-19-07** Rev. 11-3-15 by inspection of injector lines IAW SB 342G no defects noted. Next inspection due tach 2207.1, October 2021 or after fuel system maintenance. Removed fuel pump for repair and reinstalled after repair by Quality aircraft accessories CRS# QYIR334Y on W/O 067800 P/N RG17980D S/N B-1287, leak checked during ground run. Set idle speed and mixture. Installed overhauled vacuum pump P/N 211CC S/N 191800. Washed and ground ran engine no leaks noted.

I certify that this engine has been inspected IAW FAR43 App (d) an 100 hr inspection and was determined to be in an airworthy condition

Brian J. Ozark
AP41640790

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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RIGHT ENGINE ENTRY

MODEL: LYCOMING
P/N: IO-320-C1A
S/N: L-4891-55A

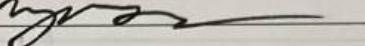
DATE: 12/17/2020

HOBBS TIME: 2116.2

TSMOH:1109.9

1. Compressions are as follows; #1) 77/80, #2) 76/80, #3) 77/80, #4) 65/80.
2. Cleaned, gapped, and rotated spark plugs and installed with new gaskets.
3. Verified and adjusted magneto timing.
4. Installed new B&C starter. Updated aircraft weight and balance and added to logs with STC and copy of form 337. Filed 337.
5. Removed fuel servo for overhaul/exchange by Precision Airmotive. Installed newly overhauled P/N 2524335-10.
6. Installed newly overhauled flow divider by Precision Airmotive P/N 2524232-2.
7. Installed new P/N 2524917-1 injector nozzles.
8. Installed new Kelly Aerospace ignition harness P/N KA12364.
9. Complied with AD 2015-19-07 (11/03/2015) fuel injector fuel line inspection in accordance with AD language. No defects noted at this time. Due again in 100 hours or at the time of any major engine maintenance.

Pertinent details are on file at this agency under work order #3349 dated 12/17/2020.

Signed: 

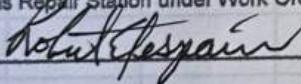
FAA APPROVED REPAIR STATION #LVOR169J

Lycoming IO-320-C1A S/N L-4891-55A
Engine Time 1119.9

April 20, 2021

Completed a 500 hour inspection of magnetos, installed and timed mags to engine and installed ignition harness to mags.

The Aircraft and/or Component identified above was inspected and repaired in accordance with current Federal Air Regulations and Lycoming specifications to date. Pertinent details of the repair/overhaul are on file at this Repair Station under Work Order No. 18797

Signed  C.R.S. 8W3R798C Precision air power
1593 West 2350 South
Woods Cross, Utah 84087

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				N98NT Lycoming IO-320-C1A S/N: L4891-55A Complied with engine 100hr inspection I/A/W title 14 CFR part 43 and Lycoming check list. Changed oil and filter, inspected filter, no contamination found. Accomplished compression test, all cylinders check 70/80 or better. Cleaned injectors, and inspected I/A/W AD 2015-19-07, no defects found. Cleaned and rotated spark plugs. Replaced turbo ducting seals as needed. Rigged turbo wastegate control cable. AD's checked to date. I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.
				Right Engine Log Book 11/20/2021 <i>FA</i> TTAF: 6462.2 SMOH: 1166.2 <i>W-P3013294</i> Patrick Carlson A&P 3013294 IA

5-2-2023	Hobbs 2185 <i>hrs</i>	Engine T.T. 1187.3 <i>hrs</i>	100 HR Inspection
	compression	① 79/80 ② 79/80 ③ 79/80 ④ 72/80	oil changed & Filter
	Inspected, torqued Mount bolts, Engine timing ✓, Exhaust ✓ good, turbo OK, ✓ per Far 43 Apx D & a check list. 20-50 Phillips & Cam Gnd	By <i>Willie Broepel</i> AP 3477703	
7-14	Hobbs 2187.7 <i>hrs</i>	Engine T.T. 1187.3 <i>hrs</i> due to ex seat came loose. Removed 4H Rear cylinder & installed factory new cylinder with new piston rings - Piston Pin, Rocker Shaft	205K21242 <i>ECI-AEL 14077-1</i>
		new Spark Plug URE B37 E 8EA. Engine ran and ✓ for leaks was OK, Ran smooth & good. Service with <i>non</i> comp. By <i>Willie Broepel</i> AP 3477703	

AC Make: Piper Serial No: 30-927
AC Model: PA-30B Tach: 2208.2
Reg. No.: N98NT AFTT: 6509.4

EL AERO SERVICES, LLC

815 Murray Way Elko, NV 89801
F.A.A. Certificated Repair Station 9WQR791C

Eng Make: LYCOMING Eng TT: UNK
Eng Model: IO-320-C1A SMOH 1213.4
Serial No: L-4891-55A WO #: 23961

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is authorized for return to service. Pertinent details are on file at this agency.

I certify that this powerplant has been inspected IAW an annual inspection and found to be in airworthy condition. Ref. El Aero Form EA-04R1 FW and Piper Twin Comanche Service Manual Table III-I inspection report. Performed AD search through 2024-14. Complied with AD 2015-19-07 by visually inspecting fuel lines and clamps. NO defects noted at this time. Complied with AD 2023-09-09 by visually inspecting V band clamps. NO defects noted at this time. Next due @ AFTT: 6609.4 or JAN 2025. Cleaned, inspected, gapped, and rotated spark plugs. Removed and cut open old oil filter. NO metal noted at this time. Installed NEW oil filter P/N: 48110. Performed compression test. Master orifice reading was 41 PSI at time of test. Comp. numbers were as follows: 76,78,76, and 72 over 80. Performed engine run-up. Run-up good, NO leaks noted at this time.

Inspector *Lamb* 7/25/2024

For repair station of El Aero Services, LLC.

Form EA-13

Engine logbook insert

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