

RIGHT

THE **adlog**<sup>TM</sup> 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-C1A

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



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DESCRIPTION OF WORK PERFORMED—  
 SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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100 hr insp. Completed this date  
 (see previous log book for details)

12-15-03 1003.9 2010.0  
 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, refilled with 8 quarts Phillips 20/50 xc. Replaced air filter. Removed #3 cylinder for low compression. Replaced rings, exhaust Valve and exh guide, deglazed cyl and re-installed with new gaskets. Compression 75/80 or better on all cylinders. Removed & cleaned spark plugs, checked magnets timing. Replaced cowl chafe seal as required. Reinstalled cowling. Engine run-up check good.  
 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)

Jeffrey D. Brown

AP333606097

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2/15/05				Removed #3 cylinder for low power / installed Carmil Cylinder Assy from ECI See 8130-3 dated 1-27-05 Engine run up check good. Jeffrey D. Hansen A4P313606097
12/1/05			2027.5	C/W 100 hr/annual inspection Drained oil, changed filter, Refilled w/ 8 qts Phillips 20W50 XC Compression check all cylinders 75/80 or better Engine run up and leak check good Jeffrey D. Hansen A4P313606097
01/09/07	1033.2	2039.5		Performed annual / 100 hour I/A/W FAR 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 75/80 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 A4P313606097
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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  
Hobbs Time: 2052.0rs Total Time: \_\_\_\_\_ hrs.

**-- 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.

Work Order #: SO11043

In reference to the above work performed, this aircraft is airworthy and returned for service.

Peter F. Holdgate

L3HR317N

8/14/07	Hobbs = 2090.6	Drained oil Replaced filter CH48140 Re-filled w/8 qts Phillips 20W50 XC Run up & leak check good
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*Jeffrey D. Houser*  
174P313606097

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7/6/10	1100.7		2107.0	<p>Removed cowl. drained oil, replaced filter w/ new CH48100. Re-filled with 8qts Phillips 20w50. Replaced intake filter with new BA27 filter. Removed plugs &amp; injectors cleaned/inspected and reinstalled. Checked compression #1 <math>\frac{7\frac{1}{2}}{80}</math> #2 <math>\frac{7\frac{1}{2}}{80}</math> #3 <math>\frac{7\frac{1}{2}}{80}</math> #4 <math>\frac{8\frac{1}{2}}{80}</math></p> <p>Checked Mag timing. Inspected Mount's &amp; exhaust.</p> <p>C/W AD 08-14-07 by inspection of injector lines. Installed cowling. Engine Run up and leak checked. AD09-26-12 N/A by P/N / cert. by this engine has been inspected i/c/w a 100 hour inspection and was determined to be in air worthy condition <i>Jeffrey Thorne ADP 371820</i></p>
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## Rt Engine

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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9/7 11		1100.8	2107.1	Removed Cowling, drained oil, replaced filter w/ new 48110, cleaned plug Comp. Check all 72/80 or better. check mag timing. Reinstl cowl. Run up check good. I certify this engine has been insp. IAW 100Hr. insp. + determined to be in airworthy cond. Ale Carter sp 2880685

Ozark Aircraft Maintenance LLC

CAPE GIRARDEAU REGIONAL AIRPORT  
CAPE GIRARDEAU MO

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.


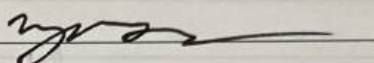
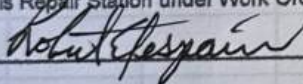
I certify that this engine has been inspected IAW FAR43 App (d) an 100 hr inspection and was determined to be in an airworthy condition

Brian J. Ozark  
AP41640790

Brian J. Ozark  
AP41640790

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 <b>RIGHT ENGINE ENTRY</b>				
MODEL: LYCOMING P/N: IO-320-C1A S/N: L-4891-55A				DATE: 12/17/2020 HOBBS TIME: 2116.2 TSMOH: 1109.9
<ol style="list-style-type: none"> <li>1. Compressions are as follows; #1) 77/80, #2) 76/80, #3) 77/80, #4) 65/80.</li> <li>2. Cleaned, gapped, and rotated spark plugs and installed with new gaskets.</li> <li>3. Verified and adjusted magneto timing.</li> <li>4. Installed new B&amp;C starter. Updated aircraft weight and balance and added to logs with STC and copy of form 337. Filed 337.</li> <li>5. Removed fuel servo for overhaul/exchange by Precision Airmotive. Installed newly overhauled P/N 2524335-10.</li> <li>6. Installed newly overhauled flow divider by Precision Airmotive P/N 2524232-2.</li> <li>7. Installed new P/N 2524917-1 injector nozzles.</li> <li>8. Installed new Kelly Aerospace ignition harness P/N KA12364.</li> <li>9. Complied with <b>AD 2015-19-07</b> (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.</li> </ol>				
Pertinent details are on file at this agency under work order #3349 dated 12/17/2020.				
				Signed:  <b>FAA APPROVED REPAIR STATION #LVOR169J</b>
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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				<p><b>N98NT</b>            Lycoming IO-320-C1A            S/N: L4891-55A            Right Engine Log Book            11/20/2021 <i>GA</i>            TTAF: 6467.2            SMOH: 1166.2</p> <p>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.</p> <p><i>[Signature]</i> A&amp;P 3013294            Patrick Carlson A&amp;P 3013294 IA</p>

5-2-2023 Hobbs 2185 <sup>HRS</sup> Engine T.T. 1187.3 <sup>HRS</sup> 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 App D & a check list.  
 20-50 Phlips & Cam Guard By Willis Kroepelin AP 3477703

7-24 Hobbs 2187.7 <sup>HRS</sup> Engine T.T. 1187.3 <sup>HRS</sup> Due to ex seat came loose.  
 Removed 1/4 Rear Cylinder & Installed Factory new  
 cylinder with new piston & rings - Piston Pin, Rocker  
 Shaft 205K21242 ✓ EC1-AEL 14077-1  
 new spark Plug UREB37E 8EA. Engine ran and  
 ✓ for leaks was OK. Ran smooth & good. Service with <sup>new comp</sup> oil  
 By Willis Kroepelin 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 *[Signature]* 7/25/2024

Engine logbook insert

For repair station of El Aero Services, LLC.

Form EA-13

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