



*The Standard*

# ENGINE LOG

ASA-572



# Engine Record General Information

Manufacturer Piper / Lycoming Model PA-28-140 / 0320-E2  
Serial 28-7425237 / L-23244-27A Type Certificate 2A13 / E-274

This engine is currently installed in aircraft: N41419

Minimum Octane Fuel 80/87 Oil Grade Summer 20W50 Winter 20-50

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer's Recommended Overhaul at 2000 hours

4627.23 over fuel



DATE 19 <u>93</u>	RECORDING TACH TIME	TODAYS 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.)
12-21			3805.74	<p> <u>Jack Time</u> <u>3805.74</u> <u>Unpainted and Painted Prop, Removed</u>  <u>leaking nose case oil seal + installed new as per</u>  <u>Lycoming manual, cut oil filter open &amp; checked O.K., serviced engine</u>  <u>w/ 20W50 xc Phillips oil as per cust. request, Replaced Inlet air</u>  <u>filter w/ Bracket BA-104 Assy, Adjusted &amp; set mag timing,</u>  <u>replaced #2 Intake gasket, #2-3-4 Exhaust gaskets &amp; one exhaust</u>  <u>stud on #2 &amp; 3 Cyls. Reset tension on Alt. Belt, Engine fuel pump</u>  <u>@ 2 PSI Eject Back-up pump @ 5 PSI Compressions 76+ above. Chd</u>  <u>venturi on Carb. linked controls chd control travels all O.K.</u> </p>
				<p> I CERTIFY THAT THIS <u>Engine</u> HAS BEEN IN-  SPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION  AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.  MAKE <u>Lycoming</u> SER NO <u>L-23244-27A</u>  MODEL <u>O-320E2A</u> DTG MARK <u>N41419</u>  THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS RE-  PAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULA-  TIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR  RETURN TO SERVICE.  SIGNED <u>Day Blake</u>  A&amp;P 30656311671A </p>



DATE 19 <u>94</u>	RECORDING TACH TIME	TODAYS 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.)
April 8	3435.9			Changed oil & filter - Reserviced 8 qts Phillips 20W50
July 29	3877.13			Changed oil & filter - Reserviced 8 qt oil - cut & insp. filter Q. Welch 1929053
Sept 21	3917.0			Changed oil & filter - Serviced 8 qts oil - cut insp filter OK, Bob Welch ADP 1929653
Nov 10	3947.9			Changed oil & filter - serviced 8 qts Phillips XL 20W50 - cut & insp filter Q. Welch ADP 1929653
Feb 1, 95				Removed & Reseal/Leaking nose case seal + new by coming repair manual, Adjusted & set mag timing, re moved, cleaned, regapped spark plugs, repair carb. Hot box cable attachment point. Removed & replaced #2 - 3-4 exhaust gaskets & studs, replaced #2-4 intake cont. next page



DATE	RECORDING TACH TIME	TODAYS 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.)
19 <u>95</u>				<p>Cont. from last page</p> <p>VALVE push rod cover seals, washed engine</p> <p>All controls checked for proper travel, etc and lubed. Muffler of</p> <p>Heat muff OKed OK. Compression checked <del>80</del> #1 <math>80/78</math> #2 <math>80/78</math> #3 <math>80/76</math></p> <p>#4 <math>80/77</math>, dressed &amp; repainted prop.</p>
1 FEB 95	<p>TACH 357.9</p> <p>5780.4</p>	<p>357.9</p> <p>TTSMOT</p> <p><del>5780.4</del></p> <p>2014.8</p>	<p>R. Walsh A&amp;P 1929653</p>	<p>I certify that this <u>engine</u> has been inspected</p> <p>IAW. current <u>annual inspection requirements</u></p> <p>and determined to be airworthy at this</p> <p>date, FEB 95 and TT5708.4 Time IAW FAC</p> <p>43. Screened for AD's and checked them</p> <p>93-11-11. See aircraft log for corrected</p> <p>Times.</p> <p>DAN T. SEGBERG</p> <p>AP 305521298 IA</p> <p>(Dan J. Aug)</p>



DATE 19 <u>95</u>	RECORDING TACH TIME	TODAYS 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.)
3 MAR 95	4007.66	14669	1170.4	Oil & filter changed - Reserviced 7 QTS philips x/c SAE 20W-50 - Oil filter cut & insp. A. A. Welch AEP 1929653
26 APR 95	4034.48	14669	1205.4	Oil changed & Reserviced 6 QTS philips XC SAE 20W-50 A. A. Welch AEP 1929653
12 June 95	4067.15	14669	1240.5	Oil & Filtr changed - Reserviced 6 QTS philips x/c SAE 20W-50 - Oil filter cut & insp A. A. Welch AEP 1929653
3 Aug 95	4096.69	14669	1273.5	Oil changed - Reserviced 6 QTS philips x/c 20W-50 A. A. Welch AEP 1929653
		Next due 4096.69		



DATE	RECORDING TACH TIME	TODAYS 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.)
19 <u>95</u>				
9-23	4124.09	Hobbs 1305.5		Oil & Filter changed & Reserviced 7 QTS phillips xc 20w50 R Welch AEP 1929653
9-25	41522	Hobbs 1336.2		Oil & Filter changed & Reserviced 6 QTS phillips xc 20w50 - 10 Metal for Filter R. Welch AEP 1929653
11/20/5	Hobbs Tach	1377.5 4188.04		Oil & <del>Filter</del> changed, Reserviced with new oil phillips xc 20-w50 R Welch AEP 1929653
June 3, 96	Tach. Hobbs.	4211.7 1408.2		100 hr. inspection C/W piper S/m. changed oil & Filter. Reserviced with phillips xc 20w50 Filter cut & Insp. no metal discovered. Prop. Dressed & painted. Alt. Belt Adjusted. Corp. Filter Insp. Mag Timing ckd. Cleaned & Regreased



DATE	RECORDING TACH TIME	TODAYS 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.)
19 <u>96</u>				<p>Spark plugs. Run &amp; heat checked eng. Readjusted Oil/press to Lycoming MANUAL specs. Fuel pump @ 6 PSI, Etc. Fuel pump AT 2-3 PSI. Muffler &amp; Heat Muff checked. Oil Cooler lines checked for AD Requirements Next Due at 4311.7. All Compressions 74 &amp; Above. All eng controls lubed. Gas/prop &amp; NSP. - All controls Travel Limits checked. All maint. performed &amp; per Lycoming S/M &amp; FAR's B. Welch A &amp; P 1929653</p>
June 3, 96	T.T. 4211.7			<p>I certify that this engine has been inspected TAW current <u>annual inspection requirements</u> and has been determined to be airworthy as of this date and Tach time. Dan J. Seery AIP 308521298 IA</p>
July 7, 96	1412.4 TDC			<p>Removed &amp; Refilled Oil Cooler Lines <u>AT 45-2613</u> Ran &amp; LK checked, good J. A. Welch A &amp; P 1929653</p>



DATE	RECORDING TACH TIME	TODAYS 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.)
19 94				
NOV 15	1450.3			Oil changed & Reserviced with 7qt's Phillips 10w 50 - next oil change requires filter.
MAR 26	1480.9			Robert A Welch App 1929453 Oil changed, New Filter, out & checked old, returned 7qt's 10w 50
July 1 97	TT 4304.38 1519.6			Cook & Linsp C/W new <del>pipe</del> pipe S/W eng comp: #1.78/80 #2.78/90 #3.74/80 #4.78/80 <u>AD 74-04-10 PCW by AD 81-18-04 R2</u> All other routine maint performed IAW pipe- & Linsp S/W - aircraft determined Airworthy IAW all inspection requirements.
July 1, 1997	TT 2262.0	TT STOP 1107.4		Robert A Welch App 1929453 I certify that this <u>engine</u> has been inspected for a <u>annual inspection</u> and has been determined to be airworthy as of this date. Screened AD's to biweekly 97-12. Dan J. Linsp APP 308521298-IA



DATE 19 <u>97</u>	RECORDING TACH TIME	TODAYS 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.)
July 9, 97	Hobbs 1520.9	Tach 4305.38	TS 2262.2	Oil & Filter changed, Reserviced 6 QTS Phillips 10W50, Filter cut & insp. OK John Welch AEP 1725653
Sept 19, 97	Hobbs 1549.2	Tach 4329.39		Oil changed - Reserviced 6 QTS Phillips 10W50 John Welch AEP 1725653
Apr 15, 98	Hobbs 1547.4	Tach 4361.7		100 hr + Insp. C/w IAW piper S/m & CK LISTS Oil & Filter changed & Reserviced with Phillips 10W50, Filter cut & Insp.
	ENG COMP. #1 78/80 #2 77/80 #4 78/80	#3 78/80		All other Routine MAINT. performed IAW FAR 43, Piper & upcoming S/m's - Aircraft determined Airworthy IAW with applicable Insp. Require mnts
TT 2339.8	TT STOP 1185.2			Robert Welch AEP 1725653
Apr 15, 1998				Certify that this engine has been inspected IAW current FARs & service manual and has been determined to be airworthy as of this date and TT. AIO's checked thru 88.08 Don J. Lee AAPS 08521228 IAH



DATE	RECORDING TACH TIME	TODAYS 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.)
19 <u>99</u>				
May 24	Heater 1668.8 Tach 11429.14			100 hr Insp. C/w IAW Piper & Lycoming Service Manuals & CK Lists. Replaced spark plugs, Replaced Ignition Wires & Rechecked Mag Timing. Replaced air filter element with Bracket BA-3 replacement element. Installed new scrub hoses for carb intake, Heat Matt, carb heat & Defrosters, Replaced all valve Lifter tube seals, Replaced all Rocker arm cover gaskets. Changed oil & Filter. Filter cut & checked. Reserviced with Phillips A/c 20W 50 oil. Repaired Loose Rivet on oil cooler Bracket. Replaced Alternator Belt & Readjusted belt tension. Eng. compressions: #1 $7\frac{1}{8}$ #2 $7\frac{1}{8}$ #3 $7\frac{1}{8}$ #4 $7\frac{1}{8}$ Replaced all exhaust gaskets, Replaced fuel lines & fire sleeves from gas water dwd. This engine is determined Airworthy at this date.

Get it with A9/1929453



DATE 19 <u>99</u>	RECORDING TACH TIME	TODAYS 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.)
MAY 26	<sup>Hobbs</sup> 1668.8 4429.14	<sup>TTSTOH</sup> 2460.2 1306.4		I certify that this engine has been inspected for a annual inspection FAW current FTH's and has been determined to be airworthy as of this date and TT. Dw J. Dwy ATP308521298TH
Sept 9, 01	<sup>Hobbs</sup> 1782.0			Oil changed & Reserviced with Phillips x/c 20w50 oil Aer-A watch 1929653 AP
MAR 15, 02	<sup>Hobbs</sup> 1736.1			Oil changed & Reserviced with Phillips x/c 20w50 oil Aer-A watch 1929653 IH
<del>Sept 17, 01</del>				



DATE 19	RECORDING TACH TIME	TODAYS 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.)
July 18, 2000	4506.75	Hobbs 1760.9 STOH	2537.8 1308.4	Annual Inspection C/w 12W Pipers & Lycoming S/M. Compressions: #1 $1\frac{1}{8}$ #2 $1\frac{1}{8}$ #3 $1\frac{1}{8}$ #4 $1\frac{1}{8}$ Replaced #1 Exhaust Gasket, installed screws in carb & Heat Muffs. Alternator Belt tension adjusted. Tightened Push Rod covers. Cleaned & gapped plugs. mag Timing ckd. mag unshel, run for operation & leak checks. Identify this Engine Inspected for an annual 12W current FAR's, and has been determined discharging this Part & II. AAD's screened this date.
				Robert Welch AEP 19296531A
Nov 7, 2000	Hobbs 1776.0	TACH 4519.25		Oil & Filter changed, reservoirs with 6 qts of Phillips AC 20W-50 Oil Filter INSP. Robert Welch AEP 19296531A.











DATE 19 <u>2003</u>	RECORDING TACH TIME	TODAYS 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.)
July 14	4603			Changed oil & filter, cut filter for inspection, OK. serviced 6 qt Phillips 20W50. <del>Replaced</del> #1 Exhaust gasket, ran engine for break in period
				Robert Welch A&P 19296531A
APR 01, 04	4613.76			Annual Insp: C/W 1A W Piper & Lycoming s/m checks all lube requirements C/W. Cleaned & Gapped plugs. map checked for timing
Robbs	1893.0			Compressions: #1 $\frac{16}{80}$ #2 $\frac{16}{80}$ #3 $\frac{16}{80}$ #4 $\frac{16}{80}$
TTS MOH	2644.86			ADs Screened thru this date
TTS TOH	1415.46			I certify this engine for annual inspection 1A W current FAR's and has been determined Airworthy this date.
				Robert Welch A&P 19296531A



DATE 2004 19	RECORDING TACH TIME	TODAYS 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.)
Aug 5, 2004	4627.23		TSMOH 2648.33	ENGINE Removed from Aircraft N-41419 for Overhaul.
Oct 8, 04	4627.23		TSMOH 0	<p>2.6.5A Welch AEP 1929653 1A</p> <p>Same Engine Reinstalled. New engine Load mounts installed, Torqued to 470 IN lbs. New fuel lines &amp; fire sleeves installed. All systems hooked up &amp; installed. <del>Mag</del> Magnos timed to engine. Harness installed. Oil Sump plug installed. Installed New Heat Oil pad, model E-Z 441 (NO FAR 337 required). See next page for other details on O/H. Engine Run for ops &amp; LK. OK, checked good. Test flew for 1.5 hrs. all OK. I certify this Engine airworthy this date.</p>

2.6.5A Welch



DATE 19__	RECORDING TACH TIME	TODAYS 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.)
				<p>10-25-2004 S/N L-23244-27A TACH: 4627.23</p> <p>ENGINE MEETS REQUIRMENTS OF MAJOR OVERHAUL AFTER COMPLETION OF TEST RUN. STEEL PARTS MAGNUFLUXED, CASE ZY-GLOED AND FOUND FREE OF CRACKS AT THIS TIME. ALL CYLINDERS WELDED AND CYLINDERS # 2 NUCHROMED BY HARRISON ENGINE SERV WO#s 65285, 65395, 67526, 69122. CAM &amp; FOLLOWERS GROUND BY ROCK AVIATION WOs10020. CRANKCASE RECONDITIONED BY DIVCO, INC. WO# 75878. THE FOLLOWING PARTS INSTALLED NEW: 1-SL61084 OIL SPRING, 1-SL1028-B OIL BALL, 1-SLSTD2213 BOLT, 1-18A19441 MAIN BEARINGS, 4-SL11020 MAIN BEARINGS, 8-61662 ROD BEARINGS, 1-STD21211 PLUG, 1-SL76121 TACH SHAFT, 1-SL18109S OIL GEAR KIT, 4-SL75413 PISTONS, 4-CC203 RING SETS, 8-60828 PIN PLUGS, 4-SL13444 PISTON PINS, 8-SL78027 ROD BOLTS, 8-SL12186 NUTS, 4-SL19001 EX VALVES, 4-SL74230 EX GUIDES, 8-SL31C-12 EX STUDS, 2-SL772058 EX SEATS, 3-SL720517 INT SEATS, 1-SL61681 INT GUIDE, 8-SL11795 &amp; SL11800 VALVE SPRINGS, 8-SL60009 &amp; SLMS13997-3 VALVE KEYS, 4-SLMS13998-3 ROTO CAPS, 4-SL13790 ROCKER SHAFTS, 8-SL12892 THRUST CAPS, 1-SL69371-1 GASKET SET, 4-SL69603 HOSES, 4-SL2180 HOSES, 1-61174 OIL PUMP DRIVE, 2-SL68761 OIL LINES, 1-68760 OIL LINE, 1-SL68759 OIL LINE, 4-SL74637 ROCKER ARM BUSHINGS. DISASSEMBLED, CLEANED &amp; INSPECTED MAGS. REASSEMBLED USING THE FOLLOWING PARTS: POINTS, SEAL, BEARINGS. INSTALLED OVERHAULED 40295 FUEL PUMP S/N AA18592. C/W ADs 04-10-14 PER SB 475B, 96-09-10, 97-15-11, 98-02-08 PER SB 505B &amp; 530A STAMPED (PID) ON FLANGE. ENGINE NOT INSTALLED IN AIRCRAFT AT THIS TIME.</p> <p>END.KLINE AVIATION, INC. <u>Paul Kline</u> PAUL KLINE 368620104 IA</p>



DATE 2005	RECORDING TACH TIME	TODAYS 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.)
April 8	4641.34		TTS MOH 74.11	annual inspection C/w 15W pipes & m, & by coming o/m. All tube requirements C/w - note engine still under "Break in" period. AD's scheduled thru this date Engine ran & ops checked OK. Replaced small oil leak at oil temp. bulb. I certify this engine has been inspected 15W an Annual Inspection and carried FAIR's and has been determined airworthy this date.
MAY 20, 2005	4670.54		TTS MOH 43.33	Robert Ableson A#P 1929653 1A Changed oil & oil filter. cut & insp. oil filter - checked OK. Serviced 2 7 Qtz Phillips XC 15W 50 Ran & checked OK

Robert Ableson A#P 1929653



DATE 2006	RECORDING TACH TIME	TODAYS 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.)
May 19, 06	41685.6		TISMOTT 58.37	Annual Inspection C/W IAW Piper S/M & Syncing O/H. all lubes require - Kerato C/W. Compressions are over 78/80. AD's Screens Then this date I certify this engine has been inspected IAW an Annual Inspection and has been determined Airworthy spark plugs cleaned & Gapped. Mags checked for timing. Engine Runs for ops & LK, C/W, good Robert Welch A#P 1929655 IA
<del>MAY 16</del>	<del>4731.17</del>		gimott 103.94	Annual Inspection C/W IAW Piper S/M. Oil Changed, Oil Filter changed & changed. 48/110-1 Reserviced 74TS Phillip XC 10W50. filter out & Lub. Compression All 78/80 AD's Screened then 2009-10. I certify this engine has been inspected IAW an Annual Inspection & has been determined Airworthy. Robert Welch A#P 1929653 IA
May 16, 07	4731.17			



DATE <i>2008</i> <i>10</i>	RECORDING TACH TIME	TODAYS 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)
<i>06/20/08</i>	<i>4741.76</i>		<i>114.53</i>	<p><i>Annual Inspection C/W IAW Piper PA-28 Series S/M. All lube, maintenance, and service requirements C/W. All Compression <del>Tests</del> 780 on all cylinders. All fasteners Bolts Tightened and Resealed. Oil service extension tube tightened and Sealed. Rotor &amp; ops checked <del>Engine</del> Engine for ops &amp; task OK, all OK. A/D's screened thru this date. I certify this engine has been inspected IAW PA-28 Annual inspection and determined Airworthy.</i></p> <p><i>John Welch</i> <i>A&amp;P 192965 IA</i></p>



DATE 19 <u>2009</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
JULY 18	4762.5	SMOH	135.3	INSPECTED ENGINE IAW FAR 43 APPENDIX D, COMPRESSIONS #1 $7\frac{2}{80}$ #2 $7\frac{3}{80}$ #3 $7\frac{5}{80}$ #4 $7\frac{6}{80}$ DRAINED OIL REPLACED FILTER PS 48110-1 CUT AND EXPLECTED OLD FZLTR NO CONTAMINANTS NOTED FILLED CRANKCASE WITH 7QTS PHILIPS XC 20W50 REPLACED AIR INDUCTION FILTER BA-3, REPLACED FUEL INDICATION PRESSURE LINE AIRQUIP 303-3, INSPECTED OIL SCREEN NO CONTAMINANTS FOUND. SERVICED SPARK PLUGS, CLEANED, GAPPED. NO AD'S DUE THIS INSPECTION. WASHED ENGINE RUN-UP AND TEST LEAK CHECKED GOOD. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION Dan E. King ATP 2841546 I.A.















DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Rep
19				Entries must be endorsed with Name, Rating and Technician or Repair Facility. (See back pages for

Concord Aviation Services 71 Airport Rd Concord NH 03301 603-229-1769

Date: 2/24/2012 Tach: 4817.7 <sup>TSHCIT</sup> ACTT: 190.5

I certify that this Engine has been inspected in accordance with a(n) ANNUAL inspection and was determined to be in an airworthy condition.  
Richard Meyers IA 1537483 *Richard Meyers*



Concord Aviation Services  
71 Airport Rd Concord NH  
603-229-1769

N41419 Engine 03/04/13 Tach: 4847.5 EngTTSMOH: 220.4 WO# 5088

- 1- Drain oil and cut open filter for inspection. Found normal. Refill sump with 8 qts Aeroshell 15W50 oil, install new filter P/N AA48110-2 and safety wired.
  - 2- Compression check Cyl #1 76/80, #2 76/80, #3 76/80, #4 76/80.
  - 3- Replace all spark plugs with new Tempest P/N UREM40E plugs.
  - 4- Replace vacuum pump drive gasket P/N 06A19956.
  - 5- Clean and inspect oil sump screen. Install new crush gasket P/N MS35769-21.
  - 6- Replace all rocker box cover gaskets P/N 75906.
  - 7- Clean carb float bowl. No debris found.
  - 8- Clean carb inlet screen. Install new copper gasket P/N CF16-A36.
  - 9- Remove engine driven fuel pump P/N 40295, S/N AA18592. Install OH fuel pump from Tempest P/N LW15472, S/N 01MR18.
- Post run-up and ops check OK.

*Richard Meyers*  
Richard Meyers A&P 1537483







DATE

19



Concord Aviation Services  
71 Airport Rd Concord NH  
603-229-1769

N41419 Engine 02/03/14 Tach. 4879.2 EngTTSMOH: 251.97 WO# 5224

- 1- Drain oil and cut open filter for inspection. Found normal. Refill sump with 8 qts Aeroshell 15W50 oil, install new filter P/N AA48110-2 and safety wired.
- 2- Compression check Cyl #1 78/80, #2 78/80, #3 78/80, #4 78/80.
- 3- Clean and rotate all spark plugs.
- 4- Clean carb float bowl. No debris found.
- 5- Post run-up and ops check OK.

Richard Meyers A&P 1537483

Concord Aviation Services 71 Airport Rd Concord NH 03301  
603-229-1769

Date: 2/3/14 Tach: 4879.2 <sup>TS MOH</sup> ~~4879.2~~ 251.97

I certify that this Engine has been inspected in accordance

with a(n) Annual inspection and was determined to be in

Richard Meyers IA 1537483





Gary Harvey  
Gary Harvey A&P 2785911



DATE

19

RECOR  
TACH  
TIME

N41419

DATE 3-3-2015

TACH

4905.96

TSMOH

278.73

I Certify That This ENGINE Has Been Inspected In  
 Accordance With An ANNUAL / 100 HOUR Inspection And  
 Was Determined To Be In Airworthy Condition

*Gary Harvey*  
 Gary Harvey A&P 2785911 IA

## Alterations

(Number of  
 specific entries.)



Concord Aviation Services  
 71 Airport Rd Concord NH  
 603-229-1769

N41419 Engine 03/08/16 Tach: 4941.88 EngTTSMOH: 314.65 WO# 5463

- 1- Drain oil and cut open filter for inspection. Found normal. Refill sump with 8 qts Aeroshell 15W50 oil, install new filter P/N AA48110-2 and safety wired.
- 2- Compression check Cyl #1 78/80, #2 78/80, #3 77/80, #4 77/80.
- 3- Clean and rotate all spark plugs.
- 4- Clean carb float bowl. No debris found.
- 5- Clean sump screen and install new crush gasket P/N MS35769-21.
- 6- Take oil analysis P/N 1151AOA.
- 7- Check magneto timing. OK.
- 8- Replace all 4 rocker box cover gaskets P/N 75906.
- 9- Replace helicoils in top positions of #2 and #4 cyl spark plug holes.
- 10- Replace carb with OH MA 4SPA carb P/N 10-3678-32, S/N A051222.
- 11- Post run-up and ops check OK.

*Richard Meyers*  
 Richard Meyers A&P 1537483



DATE

19

RECORDING  
TACH  
TIMEConcord Aviation Services 71 Airport Rd Concord NH 03301  
603-229-1769Date: 3/8/16 Tach: 4941.88 <sup>TSMOH</sup> 314.65

I certify that this ENGINE has been inspected in accordance  
with a(n) 100142 inspection and was determined to be in an airworthy condition.  
Richard Meyers IA 1537483 *Richard Meyers*

erations

(number of  
entries.)

Concord Aviation Services 71 Airport Rd Concord NH 03301 603-229-1769

N41419 Engine log 2/3/2017 4974.43 Tach 347.2 TSMOH WO 17-5583

Compression 1) 77/80 2) 77/80 3) 78/80 4) 77/80

Drain engine oil

Take oil analysis

Remove and cut open oil filter for inspection and found normal

Install a new oil filter PN Tempest AA48110-2

Refill engine with 8 quarts of Aeroshell 15w/50 oil

Clean sump screen

Check magneto timing

Clean and re-gap sparkplugs

Drain carburetor float bowl

Re-torque rocker cover screws

Post maintenance run-up satisfactory

*Gary Harvey*  
Gary Harvey A&P 2785911







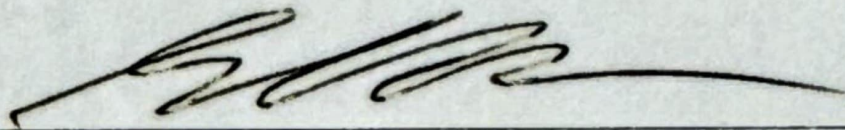
DATE 19 _____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N41419 Piper PA-28-140 S/N; 28-7425237

Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 5 June 2017 A/C Tach: 4996.27 ~~Eng. TT~~ TSMOH:

Removed the engine cowlings. Performed a General inspection of the fire wall forward before aircraft is placed in flight school. Removed and replaced the #1 and 3 cylinder due to cracks in the exhaust ports using two new Superior cylinders assemblies part # SL32006W-A21P S/N #1: 326WD1718133, #3 S/N: 326WD1717885. Replaced the Muffler and the riser for the #3 and 4 cylinder with a good serviceable muffler and riser. Removed the oil cooler lines, oil pressure line and fuel lines and installed all new Due to hoses are hard and no data, installed all new hose kit from PHT, Inc. Installed Missing support bracket from starter to the alternator with a good serviceable bracket. Cleaned all spark plugs and tested. Replaced the primer line for the #4 cylinder with A new copper line. Removed and replaced all valve cover gaskets with rubber gaskets. Removed the engine driven fuel pump, installed missing pump heat baffle with a Good serviceable baffle. Installed a new exhaust stud in the #2 cylinder. During run up vacuum was set at 6.0, adjusted to be within the limits 4.8 to 5.2. Changed oil and filter using (1) CH48110 oil filter and (8qts) Philips 100AD motor oil. I certify that the above listed repairs were made using the Piper PA28-140 service manual.

  
Stacy Blackburn 3318734A&P



DATE 19____	RECORDING TACH TIME	TODAYS 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.)

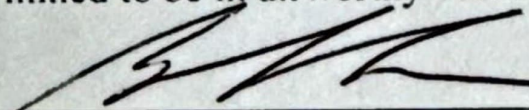
N41419 Piper PA-28-140 S/N; 28-7425237

Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 1 Nov. 2018 A/C Tach: 5014.91 Eng.TT: 5014.91 TSMOH: 414.76

Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Service manual and Check Sheet. Changed oil and filter, opened oil filter and finger screen and inspected no contamination was noted. Service engine with 48110 oil filter and (8qts) Philips 100AW oil.

**Performed a compression test as follows: #1; 70/80, #2; 70/80, #3; 70/80, #4; 70/80.** Checked mag timing and adjusted as needed to 25 degrees BTDC. Removed and replaced all spark plugs with new REM40E Champions. Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter tighten and safety bolt. Washed engine. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program, All AD's are complied with to this date and tach, (See AD Sign off Sheets for details). I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

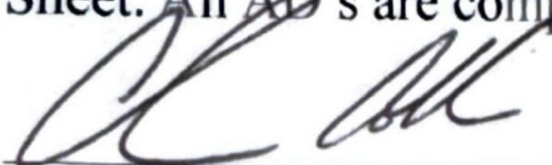
  
Stacy Blackburn 3318734A&P



DATE 19____	RECORDING TACH TIME	TODAYS 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.)
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**N41419 Piper PA28-140 S/N: 28-7425237**  
**Engine: Lycoming 0-320-E2D S/N: L-23244-27A**  
**Date: 1 Nov. 2018 Tach: 5014.91**  
**Eng. TT: 5014.91 TSMOH: 414.76**

I certify that this Engine has been inspected In Accordance with an **Annual Inspection** and has been determined to be in airworthy condition. All work was performed as per the Piper PA28-140 Maintenance Manual and Check Sheet. All AD's are complied with to this date and Tach.

  
 Christopher David Collum

A&P/IA 3290616



DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Date 02/11/2019

Make : Lycoming

Model : O-320E2D

REGISTRATION : N41419

SN : L-232244-27A

TACH TIME : 5043.99

Vacuum pump PN211CC SN 05548 failed removed pump and replaced with serviceable PN 211CC SN 168384, performed operational check no defects found. I certify that this engine has been serviced and inspected IAW OEM MM and returned to service for the work performed.

David E Morlan A&P 3417426

ENGINE MODEL  
ENGINE S/N  
REG NO N41419  
WORK ORDER  
4035-03-2019

Trident Aircraft Maintenance, Inc.

9475 Jet Lane  
Easton MD 21601  
Phone 443-385-0590

DATE 15 March, 2019  
A/C TSN  
ENG TT  
TSMCH  
TACH 5059.44

### Engine Entries

(1) Completed 50 hr oil change. Serviced with 8 qts Phillips 100AW oil and (1) CH48110-1 oil filter. Op's and leak check good

~~I certify that this engine has been inspected in accordance with a 100 hr inspection and determined to be in an airworthy condition at this time.~~

DATE: 15 March, 2019

SIGNED:

*David E Morlan* 3170226AP

Work Order: 4035-03-2019

JFrost A&P 3170226

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RECORDING  
TACH  
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TOTAL  
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SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
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ENGINE MODEL

O-320-E3A

ENGINE S/N L-23244-27A

REG NO N41419

WORK ORDER

4092-04-2019

**Trident Aircraft Maintenance, Inc.**

9475 Jet Lane

Easton, MD 21601

Phone 443-385-0590

DATE 30 April 2019

A/C TSN 693251

5114.00 ENG TT

TSMOH 513.93

TACH 3114.08

### Engine Entries

(2) Inspected this engine IAW FAR 43 appendix "D" 100hr inspection. Performed compression test and are as follows: #1-78/80, #2-58/80, #3 78/80, #4 32/80. Removed #2 and #4 cylinders for O/H and installed serviceable cylinders from J&J Air Parts IAW Lycoming O-320 service manual. (see W.O. 4092, item #13 for details) Removed, cleaned, gapped, tested, and rotated spark plugs. Drained oil and serviced with 8 qts Phillips AW100 oil. Removed, inspected, and re-installed new Champion CH 48110-1 oil filter. No metal noted. Checked magneto timing IAW engine placard. Washed engine and performed run-up for operational and leak check. Op's check good. No leaks noted. (13) Removed #2 and #4 cylinders for O/H due to low compression. Installed serviceable cylinders from J&J Air Parts as follows: #2 cylinder assy. model O-320 P/N LW12417 NC, #4 cylinder assy. Model O-320, P/N LW12416NC and associated parts: pistons, P/N 75413 (2); rocker shafts, P/N 13790A (2); rings, P/N CC203 (2); push rod seals P/N 18661 (4); push rod o-rings, P/N 70310 (4); push rod spring clips, P/N 14995 (2); lock-plate, P/N 12272 (2); base seal, P/N 71481 (2); oil return, P/N STD-1821 (2); and intake rubber, P/N 69603 (2). All work performed IAW Lycoming O-320 O/H and service manual. Post run leak and op's checks good at this date and tach.... (15) Installed new Rapco 211CC, S/N 182236 vacuum pump IAW Piper PA28-161 service manuals. All op's checks normal.

I certify that this engine has been inspected in accordance with a 100 hr inspection and determined it to be in an airworthy condition at this time.

DATE: 30 April, 2019

SIGNED:

*Jack Frost 3170226AP*

Work Order: 4092-04-2019

JFrost A&P 3170226

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**Date 08/29/2019**

**Make : Lycoming**

**SN :L-232244-27A**

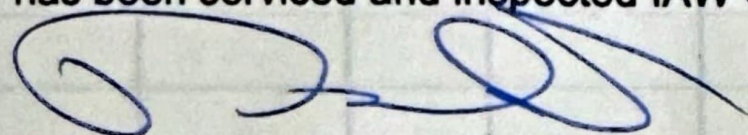
**Model : O-320E2D**

**Hobbs : 2554.0**

**REGISTRATION : N41419**

**TACH TIME : 5167.31**

Engine oil drained, replaced oil filter with PN CH48110-1 and serviced with 8 quarts of Phillips 100W oil. Found one spark plug with bad threads replaced with new spark plug PN REM40E Rotated spark plugs, performed operational check not defects found. I certify that this engine has been serviced and inspected IAW OEM MM and returned to service for the work performed.



**David E Morlan A&P 3417426**

**ENGINE MODEL**

O-320-E3A

**ENGINE S/N** L-23244-27A

**REG NO** N41419

**WORK ORDER**

4640-12-2019

**Trident Aircraft Maintenance, Inc.**

3475 Jell Lane

Easton MD 21601

Phone 443-345-0590

**DATE** 02 December 2019

A/C TSN 792351

ENG TT 911

TSMCH 60503

TACH 520518

**Engine Entries**

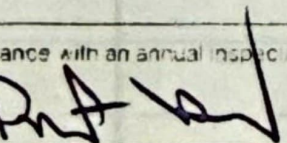
(3) I certify that this engine has been inspected in accordance with a Annual inspection and was found to be in airworthy condition at this time. Performed compression test #1-78/80, #2-74/80, #3-74/80, #4-76/80. Cleaned, inspected, gapped, tested and rotated all spark plugs. Checked magneto timing IAW engine placard, operational check satisfactory. Performed run up for operational and leak check. Operational check satisfactory no leaks noted. (13) Replaced cracked exhaust with customer supplied exhaust IAW Lycoming O-320 and Piper PA28-161 MM. (14) Repaired customer supplied heat shroud and mount IAW AC43.13-2B and installed IAW Piper PA28-161 MM.

I certify that this engine has been inspected in accordance with an annual inspection and determined to be in an airworthy condition at this time.

**DATE** 02 December 2019

**SIGNED**

BHuseby A&P

  
2132154 IA

**Work Order** 4640-12-2019

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DATE

19

Engine Log Book Entry Date: 08/06/2020

Reg: N41419 Make: PA-28-140 Ser# 28-7425237 Tach: 5255.8

In accordance with Piper PA-28 Service Manual and AC 43.13-1b:

1) Removed the muffler and shroud.

2) Installed a new Aerospace Welding Inc. pn: A99482-00, ser: 88697 muffler, and one RA77611 gasket.

3) Ran up in accordance with Piper PA-28-181 POH. all indications, RPM's, and leak check, O.K.

Engine is in airworthy condition.

Robert W. Marden A&amp;P 2875235

Operations  
Number of  
entries.)

N41419 Piper PA-28-140 S/N; 28-7425237

Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 1 Feb. 2021 A/C Tach: 5281.26 Eng.TT: 5281.26 TSMOH: 681.11

Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter, opened oil filter and finger screen and inspected no contamination was noted. Service engine with 48110 oil filter and (8qts) Philips 100AW motor oil. **Performed a compression test as follows: #1; 75, #2; 75, #3; 75, #4; 75.** Removed the L/R magneto, installed a slick service kit MK401, re-installed magneto to engine at 25 degrees BTDC. Removed all spark plugs cleaned and tested, re-installed with new cooper washers. Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter tighten and safety bolt. Washed engine. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program, All AD's are complied with to this date and tach, (See AD Sign off Sheets for details). I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.



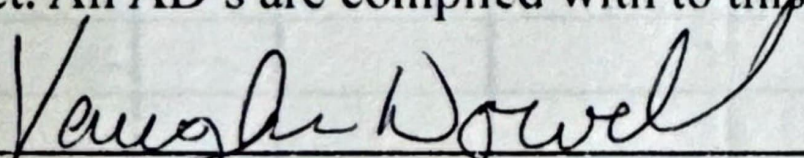
Stacy Blackburn 3318734A&amp;P



DATE 19 ____	RECORDING TACH TIME	TODAYS 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.)
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**N41419**      **Piper**      **PA28-140**      **S/N: 28-7425237**  
**Engine: Lycoming**      **320-E3A**      **S/N: L-23244-27A**  
**Date: 1 Feb. 2021**      **Tach: 5281.26**  
**Eng. TT: 5281.26**      **TSMOH: 681.11**

I certify that this Engine has been inspected In Accordance with an **Annual Inspection** and has been determined to be in airworthy condition. All work was performed as per the Piper PA28-140 Maintenance Manual and Check Sheet. All AD's are complied with to this date and Tach.

  
**Vaughn Dowell**      **A&P/IA 3684662**



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TIME

TODAYS  
FLIGHT

TOTAL  
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SERVICE

**Description of Inspections, Tests, Repairs and Alterations**

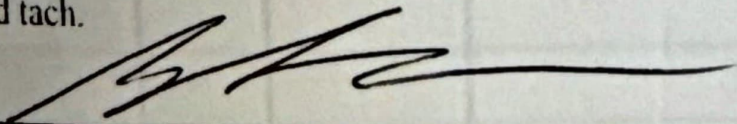
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N41419 Piper PA-28-140 S/N: 28-7425237

Lycoming Engine 0-320-E3A S/N: L-23244-27A

Date: 1 April 2022 A/C Tach: 5317.99 Eng.TT: 5317.99 TSMOH: 717.84

Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter, opened oil filter and finger screen and inspected no contamination was noted. Service engine with 48110 oil filter and (8qts) Philips 100AW motor oil. **Performed a compression test as follows: #1; 73, #2; 60, #3; 76, #4; 73.** R&R the #2 cylinder, installed a overhauled cylinder, installed new exhaust valve, rings and gaskets. Replaced the exhaust studs on the #1 cylinder. Replaced the carb air box and installed a serviceable one. Removed the carb heat shroud and installed a serviceable shroud. Installed new 3 inch Scat Ducting on the carb. Checked the magneto to engine timing at 25 degrees BTDC. R&R all spark plugs using (8) REM40E Champion plugs. Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter tighten and safety bolt. Washed engine. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program, All AD's are complied with to this date and tach, (See AD Sign off Sheets for details). I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.



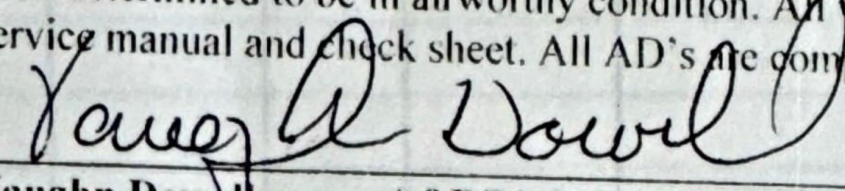
Stacy Blackburn 3318734A&P



DATE	RECORDING TACH TIME	TODAYS 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.)
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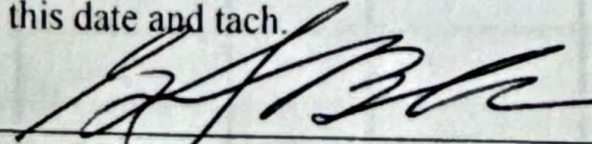
N41419 Piper PA28-140 S/N: 28-745237  
 Engine: Lycoming O-320-E2A S/N: L-23244-27A  
 Date: 1 April 2022 Tach: 5317.99 Eng. TT: 5317.99 TSMOH: 717.84

I certify that this Engine has been inspected In Accordance with an **Annual Inspection** and has been determined to be in airworthy condition. All work was performed as per the Piper PA28-140 service manual and check sheet. All AD's are complied with to this date and tach.

  
 Vaughn Dowell A&P/IA 3684662

N41419 Piper PA-28-140 S/N; 28-7425237  
 Lycoming Engine 0-320-E3A S/N; L-23244-27A  
 Date: 1 Nov 2022 A/C Tach: 5367.44

Performed a 50 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using (7qts) Phillips 20W50XC motor oil and (1) 48111 filter, opened oil filter and finger screen and inspected no contamination was noted. Removed all plugs, cleaned gapped and tested, re-installed with new cooper washers. Removed the oil filler tube, cleaned and re-installed tighten and safety. Checked ducting, wiring and controls. I certify that the engine work stated above has been preformed using the Piper PA28-140 Service Manual and has been determined to be in airworthy condition at this date and tach.

  
 Stacy Blackburn 3318734A&P



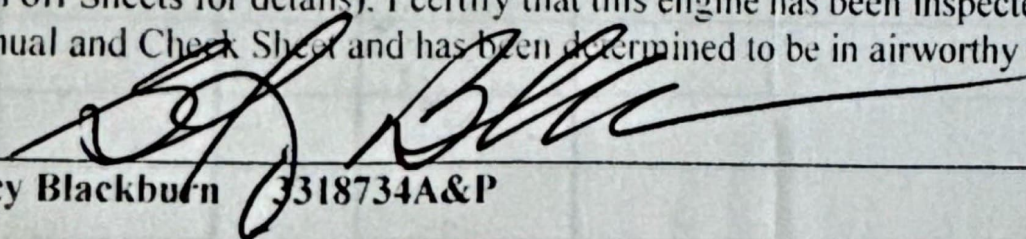
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N41419 Piper PA-28-140 S/N; 28-7425237  
Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 16 Dec. 2022 A/C Tach: 5418.11 Eng. TT: 5418.11 TSMOH: 817.96

Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter, opened oil filter and finger screen and inspected no contamination was noted. Service engine with 48110 oil filter and (8qts) Philips 100AW motor oil. Adjusted and safety the alternator drive belt. Performed a compression test as follows: #1; 72, #2; 72, #3; 73, #4; 73. Checked the magneto to engine timing at 25 degrees BTDC. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers. Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter BA3 tighten and safety bolt. Washed engine. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet.

Researched AD's using the TDATA program. All AD's are complied with to this date and tach, (See AD Sign off Sheets for details). I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

  
Stacy Blackburn 3318734A&P



N41419 Piper PA-28-140 S/N; 28-7425237  
Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 1 June 2023 A/C Tach: 5517.92 Eng. TT: 5517.92 TSMOH: 917.77

Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter, opened oil filter and finger screen and inspected no contamination was noted. Service engine with 48110 oil filter and (8qts) Philips 100AW motor oil. **Performed a compression test as follows: #1; 75, #2; 73, #3; 76, #4; 78.** Removed all four oil returns, replaced the rubber hoses with new STD-1821, replaced the 45 degree fitting in the #2 cylinder. Replaced the primer nozzle in the #4 cylinder and tapped the NPT 1/8 hole. Replaced the missing bolt in the throttle cable mount bracket. Checked the magneto to engine timing at 25 degrees BTDC, adjusted as needed. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers. Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter BA3 tighten and safety bolt. Washed engine. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program, All AD's are complied with to this date and tach. I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

  
Stacy Blackburn 3318734A&P

N41419 Piper PA28-140 S/N: 28-7425237

Engine: Lycoming 0-320-E3A S/N: L-23244-27A

Date: 1 June 2023 Tach: 5517.92 Eng. TT: 5517.92 TSMOH: 917.77

I certify that this Engine has been inspected In Accordance with an **Annual Inspection** and has been determined to be in airworthy condition. All work was performed as per the Piper PA28-140 service manual and check sheet. All AD's are complied with to this date and tach.

  
Vaughn Dowell

A&P/IA 3684662



DATE **N41419 Piper PA-28-140 S/N: 28-7425237**  
1 **Date: 29 July 2023 A/C Tach: 5578.80**

**Write up: Alternator is INOP;**

Removed the upper and lower engine cowlings, removed the Chrysler alternator and bench tested, found to be bad. Installed a new Plane Power Kit AL12-C60 Alternator P/N: 10-1051 S/N: H-X031460, installing the new mounting brackets, removed the prop and installed a new Alternator drive belt P/N: MC73965-015. Re-installed the prop and torque mounting hardware. Performed a ground and checked the charging system. Re-installed the engine cowlings. All work was performed using the Piper PA28-140 service manual and Plane Power installation instructions.

  
**Stacy Blackburn 3318734A&P**



DATE 19____	RECORDING TACH TIME	TODAYS 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.)
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N41419 Piper PA-28-140 S/N; 28-7425237

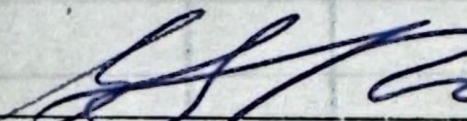
Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 4 Sept. 2023 A/C Tach: 5617.92 Eng.TT: 5617.92 TSMOH: 1017.77

Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using 48110 filter and 7qts Phillips 20W50XC motor oil, opened oil filter and finger screen and inspected no contamination was noted. **Performed a compression test as follows:**

#1; 73, #2; 73, #3; 74, #4; 74. Removed the right side muffler clamp and installed a good serviceable clamp due to dowel pin missing. Checked the magneto to engine timing at 25 degrees BTDC, adjusted both magnetos. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers.

Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter BA3 tighten and safety bolt. Replaced two missing valve cover screws, checked and tighten all screws. Washed engine. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program, All AD's are complied with to this date and tach. I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

  
Stacy Blackburn 3318734A&P







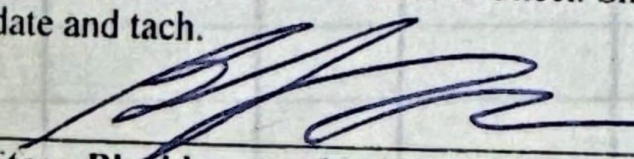
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N41419 Piper PA-28-140 S/N; 28-7425237

Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 27 Oct. 2023 A/C Tach: 100.00 Eng.TT: 5718.14 TSMOH: 1117.99


Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using 48110 filter and 7qts Phillips 20W50XC motor oil, opened oil filter and finger screen and inspected no contamination was noted. **Performed a compression test as follows:** #1; 74, #2; 77, #3; 74, #4; 77. Removed the exhaust stack from the #1 and 2 cylinder, removed the cylinder due to broken stud and not able to get it out, removed the studs from the #1 cylinder refaced the exhaust port, installed new studs, installed new exhaust valve, refaced the intake, lap valves and hones the cylinder, cleaned the piston, installed new rings and gaskets, re-installed the cylinder and torque. Installed rockers and checked the dry tappet clearance. Installed exhaust gaskets P/N 77611, re-installed the exhaust stack. Tighten the alternator mount bolt. Checked the magneto to engine timing at 25 degrees BTDC. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers. Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter BA3 tighten and safety bolt. Washed engine. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program, All AD's are complied with to this date and tach. I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

  
Stacy Blackburn 3318734A&P

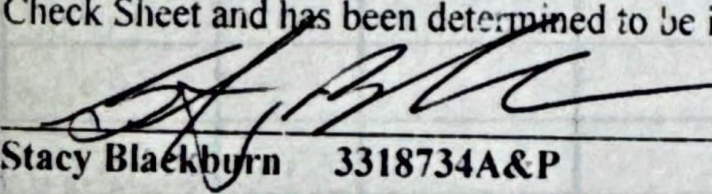


1 117 N41419 Piper PA-28-140 S/N; 28-7425237  
1 Lycoming Engine 0-320-E3A S/N; L-23244-27A  
Date: 11 Nov 2023 A/C Tach: 150.4

Performed a 50 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using (7qts) Phillips 20W50XC motor oil and (1) 48111 filter, opened oil filter and finger screen and inspected no contamination was noted. Removed all plugs, cleaned gapped and tested, re-installed with new cooper washers. Removed the oil filler tube, cleaned and re-installed tighten and safety. Checked ducting, wiring and controls. I certify that the engine work stated above has been preformed using the Piper PA28-140 Service Manual and has been determined to be in airworthy condition at this date and tach.

  
Stacy Blackburn 3318734A&P



DATE 19 _____	RECORDING TACH TIME	TODAYS 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>
N41419 Piper PA-28-140 S/N; 28-7425237 Lycoming Engine O-320-E3A S/N; L-23244-27A Date: 7 Dec. 2023 A/C Tach: 199.04 Eng.TT: 5817.18 TSMOH: 1217.03 Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using 48110 filter and 7qts Phillips 20W50XC motor oil, opened oil filter and finger screen and inspected no contamination was noted. Performed a compression test as follows: #1; 74, #2; 76, #3; 70, #4; 70. Removed the left and right magneto, replaced the left magneto with a serviceable Slick 4371 S/N: 15120372 and performed the 500 hour inspection on it and the right magneto Slick 4370 S/N: 92050050 installed the magnetos to engine timing at 25 degrees BTDC. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers. Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter BA3 tighten and safety bolt. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program, All AD's are complied with to this date and tach. I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.				
 Stacy Blackburn 3318734A&P				



DATE 19__	RECORDING TACH TIME	TODAYS 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.)
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N41419 Piper PA-28-140 S/N; 28-7425237

Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 19 Feb. 2024 A/C Tach: 298.59 Eng.TT: 5916.73 TSMOH: 1316.58

Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using 48110 filter and 7qts Phillips 20W50XC motor oil, opened oil filter and finger screen and inspected no contamination was noted. **Performed a compression test as follows:**

#1; 72, #2; 72, #3; 70, #4; 78. Installed a good Kelley ignition harness. Adjusted the alternator belt and secured. Replaced the hobs sender due to oil leaking. Checked the magnetos to engine timing at 25 degrees BTDC. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers.

Inspected the engine controls for proper operation and smoothness. Inspected the exhaust system. Installed new bracket air filter BA3 tighten and safety bolt. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program, All AD's are complied with to this date and tach. I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

  
Stacy Blackburn 3318734A&P



DATE  
19

RECORDING  
TACH  
TIME

TODAYS  
FLIGHT

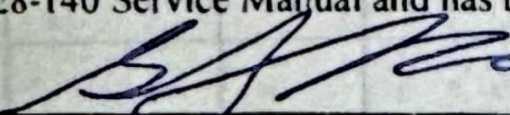
TOTAL  
TIME IN  
SERVICE

**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.)

N41419 Piper PA-28-140 S/N; 28-7425237  
 Lycoming Engine 0-320-E3A S/N; L-23244-27A  
 Date: 3 April 2024 A/C Tach: 338.92

Performed a 50 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using (7qts) Phillips 20W50XC motor oil and (1) 48110 filter, opened oil filter and finger screen and inspected no contamination was noted. Removed all plugs, cleaned gapped and determined that they needed to be replaced, installed 8 new REM40E Champion spark plugs. Checked ducting, wiring and controls. I certify that the engine work stated above has been performed using the Piper PA28-140 Service Manual and has been determined to be in airworthy condition at this date and tach.

  
 Stacy Blackburn 3318734A&P

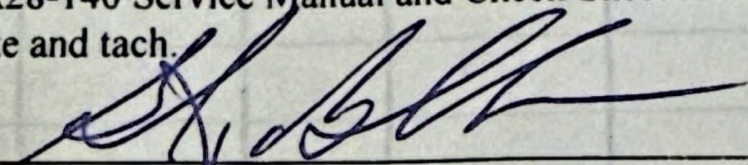


DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 _____				

N41419 Piper PA-28-140 S/N; 28-7425237  
 Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 11 July 2024 A/C Tach: 398.49 Eng.TT: 6016.63 TSMOH: 1416.48

Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using 48110 filter and 7qts Phillips 20W50XC motor oil, opened oil filter and finger screen and inspected no contamination was noted. **Performed a compression test as follows:** #1; 70, #2; 75, #3; 72, #4; 72. Checked the magnetos to engine timing at 25 degrees BTDC. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers. Inspected the engine controls for proper operation and smoothness. Adjusted the idle. Inspected the exhaust system. Installed new bracket air filter BA3 tighten and safety bolt. The prop was removed and sent to Air Props for overhaul and re-installed (See 8103 for details). Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program 2024-13, All AD's are complied with to this date and tach. I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

  
 Stacy Blackburn 3318734A&P



DATE 19 _____	RECORDING TACH TIME	TODAYS 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.)
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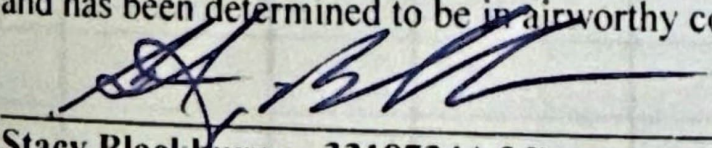
N41419 Piper PA28-140 S/N: 28-7425237  
 Engine: Lycoming O-320-E3A S/N: L-23244-27A  
 Date: 11 July 2024 Tach: 392.49 Eng. TT: 6016.63 TSMOH: 1416.48

I certify that this Engine has been inspected In Accordance with an **Annual Inspection** and has been determined to be in airworthy condition. All work was performed as per the Piper PA28-180 service manual and check sheet. All AD's are complied with to this date and tach.

  
 Vaughn Dowell A&P/IA 3684662

N41419 Piper PA-28-140 S/N; 28-7425237  
 Lycoming Engine 0-320-E3A S/N; L-23244-27A  
 Date: 12 Aug. 2024 A/C Tach: 450.31

Performed a 50 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using (7qts) Phillips 20W50XC motor oil and (1) 48110 filter, opened oil filter and finger screen and inspected no contamination was noted. Removed all plugs, cleaned gapped and tested, re-installed the spark plugs with new cooper washers. Checked ducting, wiring and controls. I certify that the engine work stated above has been preformed using the Piper PA28-140 Service Manual and has been determined to be in airworthy condition at this date and tach.

  
 Stacy Blackburn 3318734A&P



DATE  
9

RECORDING  
TACH  
TIME

TODAYS  
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.)

N41419 Piper PA-28-140 S/N; 28-7425237

Lycoming Engine 0-320-E3A S/N; L-23244-27A

Date: 26 Sept. 2024 A/C Tach: 496.57 Eng.TT: 6114.71 TSMOH: 1514.56

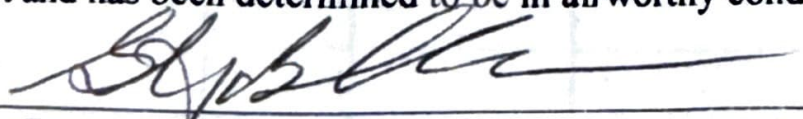
Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using 48110 filter and 7.5 Phillips Victory 20W50XC motor oil, opened oil filter and finger screen and inspected no contamination was noted. **Performed a compression test as follows: #1; 75, #2; 73, #3; 72, #4; 77.** Checked the magnetos to engine timing at 25 degrees BTDC. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers. Inspected the engine controls for proper operation and smoothness. Adjusted the idle. Inspected the exhaust system, Removed the exhaust studs from the #1 and 3 cylinder, with the proper tool, the exhaust port face was Dressed on the #1 and 2 cylinders, installed new exhaust studs (3) SA31C-12P07 and (1) SA31C-12P12, re-installed the exhaust pipes with new 77611 gaskets. Installed new bracket air filter BA3 tighten and safety bolt. Replaced the lower baffle tie rod (87392-002) for the # 1 and #3 cylinder. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the TDATA program 2024-18, All AD's are complied with to this date and tach. I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

Stacy Blackburn 3318734A&P



DATE	RECORDING TACH TIME	TODAYS 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 (Certificate Number must be in parentheses.)
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N41419 Piper PA-28-140 S/N; 28-7425237  
 Lycoming Engine 0-320-E3A S/N; L-23244-27A  
 Date: 2 Dec. 2025 A/C Tach: 572.00 Eng.TT: 6190.14 TSMOH: 1589.99  
 Performed a 100 Hour Inspection on this engine using the Piper PA28-140 Maintenance manual and Check Sheet. Changed oil and filter using 48110 filter and 7qts Phillips Mineral 20W50 motor oil, opened oil filter and finger screen and inspected no contamination was noted. **Performed a compression test as follows:** #1; 68, #2; 70, #3; 0, #4; 74. Checked the magnetos to engine timing at 25 degrees BTDC. Removed all spark plugs cleaned gapped and tested re-installed with new cooper washers. Removed the #3 cylinder, installed an overhauled cylinder by J&J Air Parts (See yellow tag for details), replaced an exhaust stud on the #4 cylinder using (1) SL31C12P03. Installed a new intake hose on the #3 cylinder P/N: 69603, new oil return hose STD-1821, installed new 77611 exhaust gaskets, installed new rubber valve cover gasket RG75906, replaced all exhaust nuts STD-1410, torque the cylinder base nuts. Removed the carburetor, Removed and replaced the four engine rubber mounts and hardware using (2) J-9613-40 and (2) J-9613-53 New bolts (2) AN7-43A, (2) AN7-44A, (4) AN363-720 nuts and AN960-720 washers, torque mounting hardware, installed the carburetor with a new gasket P/N: SL66224 and new mounting nuts, washers. Re-installed the throttle, mixture and air box controls, checked for full travel and smoothness. Adjusted the idle. Inspected the exhaust system. Installed new bracket air filter BA3 tighten and safety bolt. Performed several ground run checked for leaks, mag drop and operation. Re-installed the engine cowlings. Completed this inspection as per a 100 hour inspection and the Piper PA28-140 Service Manual and Check Sheet. Researched AD's using the FAA Airworthiness Directory, All AD's are complied with to this date and tach. I certify that this engine has been inspected as per the Piper PA28-140 Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.

  
 Stacy Blackburn 3318734A&P



MAINTENANCE RELEASE  
LYCOMING

CYL ASSY

MANUFACTURER

NAME

MODEL No.

D-320

PART No.

75042 01

SERIAL No.

1A

THE COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.

"PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER No.

JJI

84336

SIGNED

*John H. Diller*

DATE

SEP 11 2025

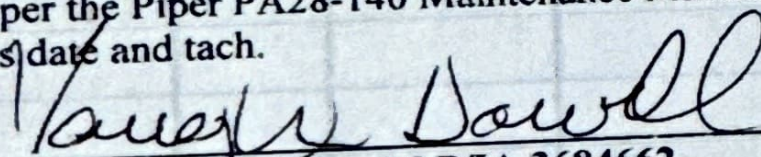
FOR: J & J AIR PARTS, INC. REPAIR STATION No. JE2R921K



DATE 19 _____	RECORDING TACH TIME	TODAYS 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.)
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N41419    Piper    PA28-140    S/N: 28-7425237  
 Engine: Lycoming    0-320-E3A    S/N: L-23244-27A  
 Date: 2 Dec. 2025    Tach: 572.00    Eng. TT: 6190.14    TSMOH: 1589.99

I certify that this Engine has been inspected In Accordance with an Annual Inspection,  
 14 C.F.R. Part 43 and has been determined to be in airworthy condition. All work was performed  
 as per the Piper PA28-140 Maintenance Manual and Check Sheet. All AD's are complied with to  
 this date and tach.

  
 Vaughn Dowell    A&P/IA 3684662







