



TRIDENT

AIRCRAFT MAINTENANCE

9475 JET LANE EASTON, MD 21601

OFFICE: 443-385-0590
FAX: 443-385-0591

5800 AVIATION DRIVE MILTON, FL 32583

OFFICE: 850-626-2222
FAX: 850-626-2222

**ENGINE
MAINTENANCE
RECORDS**



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. 1071X

Engine Manufacturer Lycoming

Model O-320-E3D

Serial No. L-48294-27A

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

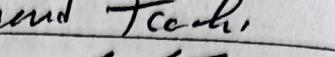
If used on multi-engine aircraft:

Right Left
 Front Rear



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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
				TOTALS brought forward from previous page
1 Jan. 2017				Start this Log book this Date and Tach.
Tach 467.5				
Eng 7764470.7				

N1071X Piper PA28-140 S/N: 28 7525274

Lycoming 0-320-E3D S/N: L-48294-27A

Date: 1 Jan, 2017 A/C Tach: 467.5 Eng. TT: 1470.7

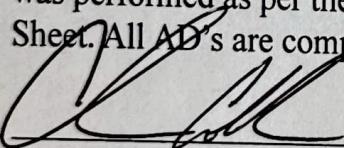
Eng. 11: 4470.7
Removed all parts from storage for this engine. This engine has been assembled using the Lycoming Maintenance and Overhaul Manual. The crankshaft had rejected and had to be replaced. **See all yellow tags for re-certification information.** The following parts were installed new during this time:

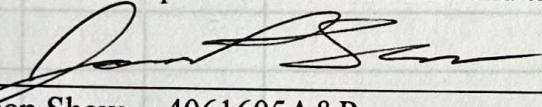
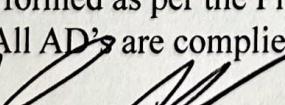
(4) P10 Steel cylinder assemblies by Brown Aviation, (4) ST203P10 ring set, (1) AEL32360 gasket set, (4) 69603 intake hose, (2) 13889-M010 Nose bearing, (4) LW16711 M010 Main bearings, (8) 69373 M006 Rod bearings, (4) AEL75089P10 Pistons, (4) AEL14077 Piston Pins, (4) AEL13790 Rocker shafts, (8) AEL 12892 Thrust buttons, (8) AEL78027 Rod bolts, (8) AEL12186 Rod Nuts, (1) AEL-STD2213 Crank Gear Bolt, (1) 78528 oil pump housing, (1) AEL18109-S oil pump gears kit, (1) 61174 Oil pump drive, (4) STD-2180 oil return hose, (4) RG75096 Rubber valve cover gaskets.

All torques performed as per the torques specified in the Lycoming Overhaul Manual. Torque wrench 3/8 drive number: 4040917987 Torque wrench 1/4 drive number: 03870006015. Prime and paint this engine. This engine is ready to be installed on aircraft and finish out with the accessories and baffle. I certify that all work was performed using the Lycoming Maintenance and Overhaul Manual.

Stacy Blackburn 3318734A&P

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
				N1071X Piper PA28-140 S/N: 28-7525274 Lycoming 0-320-E3D S/N: L-48294-27A Date: 1 Feb, 2017 A/C Tach: 467.5 Eng. TT: 4470.7 Installed this engine on N1071X using new engine mounts and hardware. Installed new Plane power alternator SAL12-70 S/N: H-P121247, installed new Sky-Tek starter 149NL. Took the carburetor apart, cleaned and inspected reassemble with a new carburetor bowl gasket and installed, installed the control cables and adjusted to obtain full travel both directions. Installed 11 forward hose kit from PHT. Inc. including the oil cooler line and vacuum line. two slick lines. BTDC. Installed harness. the engine hardware. primer line and muffler vent. certify the engine for ground run. manual and log book.
				General Aviation Services 5800 Aviation Drive Milton, Fl. 32583 850-889-6037
				Maintenance Release Slick Model: 4370 S/N: 11070548 Owner: PPAC N1071X Date: 1 Feb. 2017
				Performed a 500 hour inspection on this magneto. Replaced the following parts during this inspection: (1) M3827 Rotor gear, (1) M3081 contacts. Magneto was bench tested from 250 RPM Up to 2800 RPM. All work was performed using the Slick Champion Maintenance Manual.
				 Stacy Blackburn 3318734A&P
				N1071X Piper PA28-140 S/N: 28-7525274 Lycoming 0-320-E3D S/N: L-48294-27A Date: 1 March, 2017 A/C Tach: 468.3 Eng. TT: 4471.5 Performed several ground run with this engine. Inspected for leaks, no leaks noted at this time. Checked static RPM's, magneto drop, ideal, oil pressure and vacuum. All runs and checks are good at this time. Installed the upper and lower engine cowlings. I certify that this engine has been ground run and is now ready for test flights.
				 Stacy Blackburn 3318734A&P
				SUB-TOTALS this page
				TOTALS-Carry forward to next page

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
				N1071X Piper PA28-140 S/N: 28-7525274
				Lycoming O-320-E3D S/N: L-48294-27A
				Date: 1 May, 2017 A/C Tach: 468.3 Eng. TT: 4471.5
				Performed a 100 hour inspection on this engine after it has been installed and ground run. Inspected all the installation, checked all controls, wiring, magneto harness and engine mounts. I certify that this engine has been inspected and has been determined to be in airworthy condition at this date and tach. All AD's are complied with to this date and tach (See AD sign off sheets).
				
				Stacy Blackburn 3318734A&P
				N1071X Piper PA28-140 S/N: 28-7525274
				Engine: Lycoming O-320-E3D S/N: L-48294-27A
				Date: 1 May 2017 Tach: 468.3
				TT: 4471.5 TSTD: 0.8
				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
				SUB-TOTALS this page
				TOTALS-Carry forward to next page

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
N1071X	Piper	PA28-140	S/N: 28-7525274	
Lycoming	0-320-E3D		S/N: L-48294-27A	
Date: 10 May, 2018		A/C Tach: 468.6		
Eng. TT: 4471.8		TSMOH: 1.1		
Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter, opened filter and inspected filter and finger screen, No contamination was noted. Removed all spark plugs and tested. Checked magneto to engine timing. Inspected all engine controls for full travel and smoothness. Inspected the exhaust system. Performed a compression test: #1:78, #2: 78, #3: 78, #4: 78. Removed the electric fuel pump, replaced the two steel fittings with new, removed the carburetor, open and cleaned bowl installed a new bowl gasket, removed the fuel pump and installed an Overhauled pump due to no fuel pressure. Removed the exhaust stack for the #2 cylinder and installed a serviceable one due to a crack at the weld. I certify that this engine has been inspected and has been determined to be in airworthy condition at this date and tach. All AD's are complied with to this date and tach (See AD sign off sheets).				
 Jonathan Shaw 4061605A&P				
N1071X	Piper	PA28-140	S/N: 28-7525274	
Engine: Lycoming	0-320-E3D		S/N: L-48294-27A	
Date: 10 May 2018		Tach: 468.6		
Eng. TT: 4471.8		TSMOH: 1.1		
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				

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N1071X Piper PA28-1140 S/N: 28-7525274

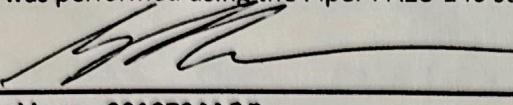
Date: 15 May 2019 A/C Tach: 485.4

Write up: Tail pipe is bad:

Removed the tail pipe, ordered a new from Parts Exchange, (See 8130 for details) installed

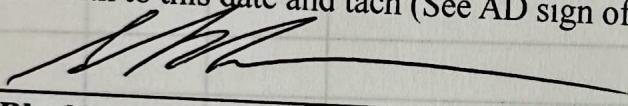
Drilled and clamped, installed support brackets.

All work was performed using the Piper PA28-140 service manual.


Stacy Blackburn 3318734A&P

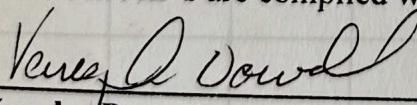
Eng. TT: 4488.6 TSMOH: 17.9

Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips 100AW Victory oil and (1) CH48110 filter, opened filter and inspected filter and finger screen, No contamination was noted. Removed all spark plugs and tested, re-installed with new copper washers. Checked the magneto to engine timing. Inspected all engine controls for full travel and smoothness. Inspected the exhaust system. **Performed a compression test: #1:77, #2: 78, #3: 78, #4: 77.** I certify that this engine has been inspected and has been determined to be in airworthy condition at this date and tach. All AD's are complied with to this date and tach (See AD sign off sheets).


Stacy Blackburn 3318734A&P

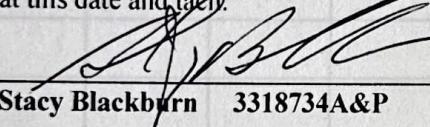
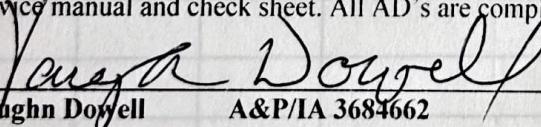
N1071X Piper PA28-140 S/N: 28-7525274
Engine: Lycoming 0-320-E3D S/N: L-48294-27A
Date: 20 May 2019 Tach: 485.4
Eng. TT: 4488.6 TSMOH: 17.9

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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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
				N1071X Piper PA28-140 S/N: 28-7525274 Lycoming O-320-E3D S/N: L-48294-27A Date: 12 Nov. 2021 Tach: 544.9 Eng. TT: 4548.1 TSMOH: 77.4 Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips 100AW Victory oil and (1) CH48110 filter, opened filter and inspected filter and finger screen, No contamination was noted. Removed all spark plugs, cleaned, gapped and tested, re-installed with new copper washers. Checked the magneto to engine timing, adjusted as needed. Inspected all engine controls for full travel and smoothness. Inspected the exhaust stacks and tail piper, inspected the muffler no defects were noted at this time. Performed a compression test: #1:77, #2: 77, #3: 77, #4: 77. Replaced the rubber primer line. Drained the carburetor and flushed, inspected the Gascolator. Removed the starter and tighten the all the hardware. Removed the prop, replaced a broken mount clip on the back plate, re-installed the prop, torque and safety, adjusted the alternator drive belt and secured. Washed the engine. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing using the TDATA program, all AD's are complied with to this date and tach (See AD sign off sheets). I certify that this engine has been inspected as per a 100 hour inspection using 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
				N1071X Piper PA28-140 S/N: 28-7525274 Engine: Lycoming O-320-E3D S/N: L-48294-27A Date: 12 Nov. 2021 Tach: 544.9 Eng. TT: 4548.1 TSMOH: 77.4
				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
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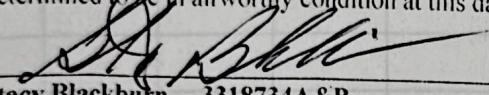
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

N1071X Piper PA28-140 S/N: 28-7525274

Lycoming O-320-E3D S/N: L-48294-27A

Date: 6 Dec. 2022 A/C Tach: 594.4 Eng. TT: 4597.6 TSMOH: 126.9

Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips 20w50XC oil and (1) CH48111 filter, opened filter and inspected filter and finger screen, No contamination was noted. Removed all spark plugs, cleaned, gapped and tested, re-installed with new copper washers. Checked the magneto to engine timing, no adjusted was needed. Inspected all engine controls for full travel and smoothness. Inspected the exhaust stacks and tail piper, inspected the muffler no defects were noted at this time. **Performed a compression test: #1:77, #2: 77, #3: 77, #4: 77.** Drained the carburetor and flushed, inspected the Gascolator. Washed the engine. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing using the TDATA program, all AD's are complied with to this date and tach (See AD sign off sheets). I certify that this engine has been inspected as per a 100 hour inspection using the Piper PA28-140 service manual and check sheet and has been determined to be in airworthy condition at this date and tach.



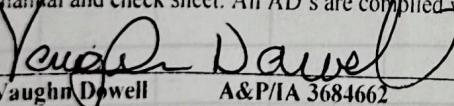
Stacy Blackburn 3318734A&P

N1071X Piper PA28-140 S/N: 28-7525274

Engine: Lycoming O-320-E3D S/N: L-48294-27A

Date: 6 Dec. 2022 Tach: 594.4 Eng. TT: 4597.6 TSMOH: 126.9

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

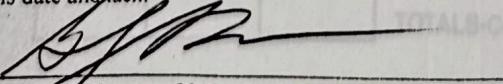
N1071X Piper PA28-140 S/N: 28-7525274

Lycoming O-320-E3D S/N: L-48294-27A

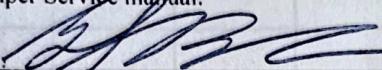
Date: 6 May 2023 A/C Tach: 694.4 Eng. TT: 4697.6 TSMOH: 226.9

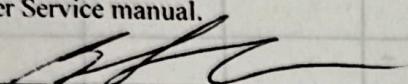
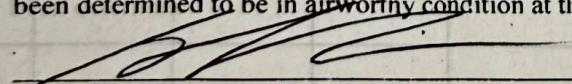
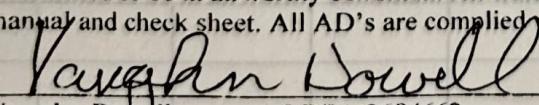
Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips 20w50XC oil and (1) 48111 filter, opened filter and inspected filter and finger screen, No contamination was noted. Removed all spark plugs, cleaned, gapped and tested, re-installed with new copper washers. Checked the magneto to engine timing, adjusted as needed. Inspected all engine controls for full travel and smoothness. Inspected the exhaust stacks and tail piper, Installed new FAA-PMA exhaust stacks from AWI using, (1) A99044-04 #3; (1) A99044-03 #4 cylinder; (1) A99044-05 #2 cylinder; (1) 99044-04 #5 cylinder, (4) 77611 gaskets, (8) lock washers and (8) STD1410 nuts, (2) 65442-03 clamps, inspected the muffler no defects were noted at this time.

Preformed a compression test: #1:75, #2: 78, #3: 78, #4: 78. Drained the carburetor and flushed, inspected the Gascolator, installed new bowl O-ring seal P/N: V1000-2X41. Washed the engine. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing 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 a 100 hour inspection using 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	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				N1071X Piper PA28-140 S/N: 28-7525274 Lycoming 0-320-E3D S/N: L-48294-27A Date: 2 June 2023 A/C Tach: 744.5 50 Hour oil and filter change using (1) 48110 oil filter and 7qts Phillips 20W50XC. Removed all the spark plugs, cleaned, gapped and tested, re-installed with new copper washers Top off the brake fluid, inspected the engine compartment. Preformed a ground run and check For leaks and operation, all checks are good at this time. All work was preformed using the Piper Service manual.  Stacy Blackburn 3318734A&P
				N1071X Piper PA28-140 S/N: 28-7525274 Lycoming 0-320-E3D S/N: L-48294-27A Date: 26 July 2023 A/C Tach: 794.6 Eng. TT: 4797.8 TSMOH: 327.1 Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips 20w50XC oil and (1) 48111 filter, opened filter and inspected filter and finger screen, No contamination was noted. Removed all spark plugs, cleaned, gapped and tested, re-installed (4) plugs with new copper washers and installed (4) new REM40E plugs. Checked the magneto to engine timing found within limits. Inspected all engine controls for full travel and smoothness. Inspected the exhaust stacks, muffler and tail piper, no defects were noted at this time. Preformed a compression test: #1:75, #2: 75, #3: 77, #4: 75. Drained the carburetor and flushed, inspected the Gascolator, installed new bowl O-ring seal P/N: V1000-2X41. Removed all primer nozzles, cleaned and inspected, re-installed. Washed the engine. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing 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 a 100 hour inspection using 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
				N1071X Piper PA28-140 S/N: 28-7525274 Lycoming 0-320-E3D S/N: L-48294-27A Date: 19 Sept. 2023 A/C Tach: 894.5 Eng. TT: 4897.7 TSMOH: 427.0 Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips 20w50XC oil and (1) 48111 filter, opened filter and inspected filter and finger screen, No contamination was noted at this time. Removed all spark plugs, cleaned, gapped and tested, re-installed plugs with new copper washers. Checked the magneto to engine timing adjusting the left magneto to 25 degrees BTDC. Inspected all engine controls for full travel and smoothness. Inspected the exhaust stacks, muffler and tail piper, no defects were noted at this time. Preformed a compression test: #1:70, #2: 74, #3: 75, #4: 75. Drained the carburetor and flushed, inspected the Gascolator. Removed all primer nozzles, cleaned and inspected, re-installed. Removed the alternator arm mounting bolt at the engine due to it was loose, cleaned re-installed, tighten and safety. Washed the engine and cowlings. Installed a new air filter P/N: BA3. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing 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 a 100 hour inspection using 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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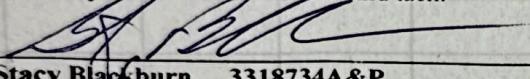
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N1071X	Piper PA28-140	S/N: 28-7525274		
Lycoming 0-320-E3D	S/N: L-48294-27A			
Date: 12 Oct. 2023	A/C Tach: 951.8			50 Hour oil and filter change using (1) 48110 oil filter and 7qts Phillips 20W50XC. Removed all the spark plugs, cleaned, gapped and tested, re-installed with new copper washers. Top off the brake fluid, inspected the engine compartment. Preformed a ground run and check For leaks and operation, all checks are good at this time. All work was preformed using the Piper Service manual.
				
Stacy Blackburn 3318734A&P				
N1071X	Piper PA28-140	S/N: 28-7525274		
Lycoming 0-320-E3D	S/N: L-48294-27A			
Date: 8 Dec. 2023	A/C Tach: 994.8	Eng. TT: 4998.0	TSMOH: 527.3	Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips 20w50XC oil and (1) 48111 filter, opened filter and inspected filter and finger screen, No contamination was noted at this time. Removed all spark plugs, cleaned, gapped and tested, re-installed plugs with new copper washers and installed (4) new REM40E. Removed both magnetos, installed a service kit P/N: MK401 bench tested, re-installed mags at 25 degrees BTDC. Inspected all engine controls for full travel and smoothness. Inspected the exhaust stacks, muffler and tail pipe, no defects were noted at this time. Preformed a compression test: #1:74, #2: 75, #3: 78, #4: 76. Drained the carburetor and flushed, inspected the Gascolator, installed new bowl O-ring V-10002X41. Removed the Skytec starter and installed a new Skytec starter 149NL S/N: H-X081271. Removed all primer nozzles, cleaned and inspected, re-installed. Removed the carburetor 10-5135 S/N: CK919232 and installed a overhauled carburetor 10-5135 S/N: MS17HM14 (See 8130), installed controls rigged controls. Preformed a ground run and all checks are good. Washed the engine and cowlings. Installed a new air filter P/N: BA3. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing 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 a 100 hour inspection using 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				
N1071X	Piper PA28-140	S/N: 28-7525274		
Engine: Lycoming O-320-E3D	S/N: L-48294-27			
Date: 8 Dec. 2023	Tach: 994.8	Eng. TT: 4998.0	TSMOH: 527.3	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				

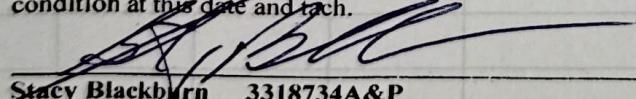
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Date	N1071X Piper PA28-140 S/N: 28-7525274		DESCRIPTION OF WORK PERFORMED	
	Lycoming 0-320-E3D S/N: L-48294-27A		A CERTIFICATE HQ. OF PERSON PERFORMING WORK	
<p>Date: 21 March 2024 A/C Tach: 1195. Eng. TT: 5198.4 TSMOH: 727.7</p> <p>Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips 20w50XC oil and (1) 48111 filter, opened filter and inspected filter and finger screen. No contamination was noted at this time. Removed all spark plugs, cleaned, gapped and tested, re-installed plugs with new copper washers and installed (4) new REM40E. Checked the magnetos at 25 degrees BTDC. Inspected all engine controls for full travel and smoothness. Adjusted the ideal to 650. Inspected the exhaust stacks, muffler and tail piper, no defects were noted at this time. Removed the exhaust stack for the #1 and 2 cylinder, removed the exhaust studs from the #2 cylinder and re-faced the exhaust port, replaced the studs with new P/N: SL31C-12 P03, installed new exhaust gaskets 77611 and nuts STD-1410, re-installed the exhaust stack. Preformed a compression test As follows: #1:74, #2: 74, #3: 76, #4: 75. Drained the carburetor and flushed, inspected the Gascolator installed new bowl O-ring V1000-2X41. Inspected the alternator belt and alternator security. Preformed a ground run and all checks are good. Washed the engine and cowlings. Installed a new air filter P/N: BA3. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing using the TDATA program (2024-03), all AD's are complied with to this date and tach. I certify that this engine has been inspected as per a 100 hour inspection using the Piper PA28-140 service manual and check sheet and has been determined to be in airworthy condition at this date and tach.</p>				
 <p>Stacy Blackburn 3318734A&P</p>				

<p>N1071X Piper PA-28-140 S/N: 28-7525274</p> <p>Date: 24 July 2024 A/C Tach: 1296.5 A/C TT: 6468.3</p> <p>Performed a 100 Hour inspection on this airframe using the Piper PA28-140 Service manual and Check Sheet. Opened aircraft for inspection. Checked all control surfaces for damages and mounting. Inspect and charge the aircraft battery. Inspect the cockpit area. Removed all landing gear wheels, removed bearings, cleaned and inspected, greased and re-installed the wheels. Inspected the brakes, serviced with 5606 fluid. Replaced the vacuum regulator filter using (1) B3-5-1. Inspect all controls, control cables and pulleys, lube all hinge points and pulleys, checked cable tensions and found within the limits as per the cable tension chart. Removed and replaced the Aileron hinge hardware with new AN525-10R9 screws and AN365-1032 nuts. Tested the ELT (ACK model E-04 S/N: 037049) as required by FAR 91.207" d" and the Manufacturers operation manual (ACK E04M Rev. Dated 06/26/2020) test procedures, ELT Battery</p> <p>Due Date: Sept.24, 2026. Removed and replaced all the aileron mounting screws and nut due to rust. Removed the wet compass and installed a vertical card compass PA1700 14V and mount PACMO, Checked compass swing and made a deviation card. Cleaned the belly, window and washed the aircraft. Completed this inspection as per a 100 hour inspection. Researched the AD listings using the TDATA program (2024-13), All AD's are complied with to this date and tach. I certify that this airframe has been inspected as per the Piper Service Manual and Check Sheet and has been determined to be in airworthy condition at this date and tach.</p>				
 <p>Stacy Blackburn 3318734A&P</p>				

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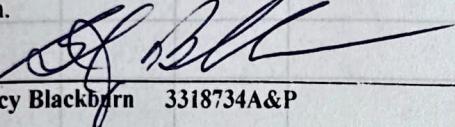
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

N1071X Piper PA28-140 S/N: 28-7525274

Lycoming 0-320-E3D S/N: L-48294-27A

Date: 24 July 2024 A/C Tach: 1296.5 Eng. TT: 5299.7 TSMOH: 829.0

Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Phillips Mineral 20w50 oil and (1) 48111 filter, opened filter and inspected filter and finger screen. No contamination was noted at this time. Removed the #2 and 4 cylinders, blast the inside, hone, replaced the exhaust valve, refaced the intake vale, lap valves to cylinder, cleaned the pistons and installed new steel ring P10 ring sets, replaced the rocker shaft, installed new gaskets and O-ring. Installed the exhaust system after inspection using new 77611 gaskets and nuts. Removed all spark plugs, cleaned, gapped and tested, re-installed plugs with new copper washers and installed (4) new REM40E. Checked the magnetos at 25 degrees BTDC. Inspected all engine controls for full travel and smoothness. Preformed a compression test as follows: #1:70, #2: 76, #3: 76, #4: 75. Drained the carburetor and flushed, inspected the Gascolator. Replaced the air filter with a Bracket filter P/N: BA3. Inspected the alternator belt and alternator security. Preformed a ground run and all checks are good. Washed the engine and cowlings. Installed a new air filter P/N: BA3. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing 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 a 100 hour inspection using 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

N1071X Piper PA28-140 S/N: 28-7525274

Lycoming 0-320-E3D S/N: L-48294-27A

Date: 12 Oct 2024 A/C Tach: 1346.6

50 Hour oil and filter change using (1) 48110 oil filter and 7qts Phillips 20W50XC.

Removed all the spark plugs, cleaned, gapped and tested. re-installed with new copper washers. Top off the brake fluid, inspected the engine compartment. Preformed a ground run and check. For leaks and operation, all checks are good at this time. All work was preformed using the Piper Service manual.


Stacy Blackburn 3318734A&P

N1071X Piper PA-28-140 S/N: 28-7525274

Date: 18 Nov. 2024 A/C Old Tach: 1396.8 New Tach: 0.00

Write up: The tach jumps and off reading 75+ RPM:

Removed the tach, removed the tach cable. Installed a new UMA electric tach P/N: T19-801-112 serial number A4568 TSO# C49b/AS-404B. The installation was preformed using the installation instructions by UMA Inc. Installed a lamp circuit breaker. FAA form 337 filed on this installation.

OLD Tach: 1396.8

New tach: 0.00

AC TT: 6568.6

Engine TT: 5400.0

Engine TSMOH: 929.3

Prop TT: 4049.3

Prop TSMOH: 929.3


Stacy Blackburn 3318734A&P

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
				TOTALS brought forward from previous page

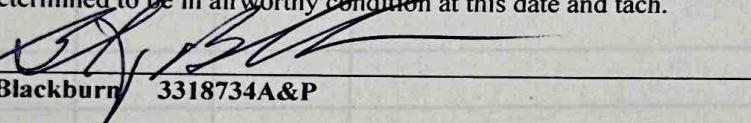
N1071X Piper PA28-140 S/N: 28-7525274

Lycoming 0-320-E3D S/N: L-48294-27A

Date: 21 Nov. 2024 A/C Tach: 0.00 Eng. TT: 5400.00 TSMOH: 929.3

Performed a 100 hour inspection on this engine using the Piper PA28-140 Service Manual and Check Sheet. Changed oil and filter using (7qts) Philips Victory 20w50 oil and (1) 48111 filter, opened filter and inspected filter and finger screen, No contamination was noted at this time. Removed all spark plugs, cleaned, gapped and tested, re-installed plugs with new copper washers and torque. Checked the magnetos at 25 degrees BTDC. Inspected all engine controls for full travel and smoothness. Drained the carburetor and flushed, inspected the Gascolator. Replaced the air filter with a Bracket filter P/N: BA3.

Preformed a compression test as follows: #1:74, #2: 77, #3: 72, #4: 76. Removed the #2 cylinder forward baffle due to it was cracked bad and installed a new baffle supplied by Airforms LLC using P/N: AF99225-00 WO# 160834. Inspected the alternator belt and alternator security. Inspected the exhaust system, corrected the tail pipe support hardware and mounting, found no defects at this time with the exhaust. Preformed a ground run and all checks are good. Washed the engine and cowlings. Installed a new Bracket air filter P/N: BA3. Inspected the engine mount and the rubber mounts. Completed this inspection using the Piper PA28-140 service manual and check sheet. Researched the AD listing using the TDATA program (2024-23), all AD's are complied with to this date and tach. I certify that this engine has been inspected as per a 100 hour inspection using the Piper PA28-140 service manual and check sheet and has been determined to be in airworthy condition at this date and tach.

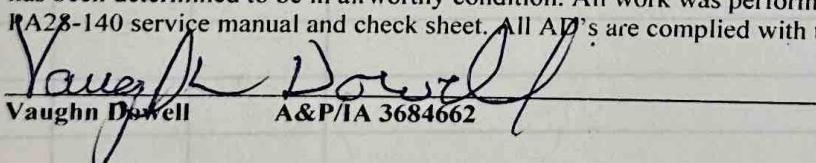

 Stacy Blackburn 3318734A&P

N1071X Piper PA28-140 S/N: 28-7525274

Engine: Lycoming 0-320-E3D S/N: L-48294-27A

Date: 21 Nov. 2024 Tach: 0.00 Eng. TT: 5400.00 TSMOH: 929.3

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

Inventory #: AF99225-00

Description: PA28-140 (71.5-77) LH FWD Engine Baffle
Assembly - Bare Metal

Work Order #: 160834
Internal Part #: AF99225-00-BR



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