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MAINTENANCE
RECORDKEEPING
SYSTEM

new - 149 NL STATION

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. N47480

Engine Manufacturer LYCOMING

Model O-360 A4M

Serial No. L-35819-36A

Date installed on aircraft 11/1/05

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

☐ Right ☐ Left
☐ Front ☐ Rear

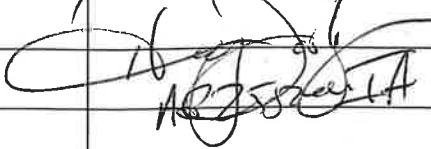
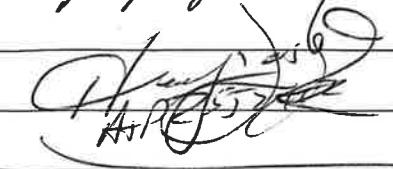


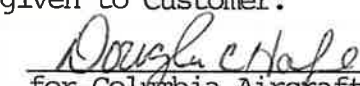
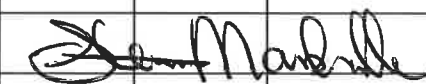
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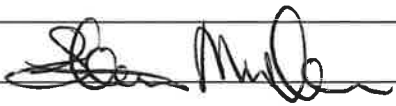

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
2006				
10/15/06				Tach 1771 - S.M.O.H. - 255.3 - Clean / Lub Engine controls - ✓ exhaust accessories Cables / Mags / Starter - Alternator / Belt - Lines / hoses - electrical connections - dress prop - ✓ seal / Alt mounting tighten Valve covers - wash down engine - Run up ops ✓ etc. Cap ✓ - 1- ⁷⁸ / ₈₀ 3- ⁷⁸ / ₈₀ 2- ⁷⁸ / ₈₀ 4- ⁷⁸ / ₈₀
<p>I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in Airworthy condition for time in service this date 10/06</p> <p><i>[Signature]</i> END</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
TOTALS brought forward from previous page				
2007				
Nov-01-07				Tach - 2048 - S.M.O.H. - 532.3 - Clean / Lub engine controls - ✓ exhaust / intake hoses - Lines / remove L/R Mags - clean / adj - set "E" gap - Time To Engine clean / Test - install serviceable plugs ✓ Alt belt - dress prop - ✓ crank seal - Tighten Valve covers - wash down engine run-up ops ✓ etc. Comp ✓ 1- ⁷⁶ / ₈₀ 3- ⁷⁶ / ₈₀ 2- ⁷⁶ / ₈₀ 4- ⁷⁶ / ₈₀
<p>I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in Airworthy condition for time in service this date 11/07</p> <p><i>[Signature]</i> END</p>				
SUB-TOTALS this page				
TOTALS—Carry forward to next page				
01/28/08				Tach - 2100.6 Installed serviceable Alternator / change Rat @ gauge @ Run up - C/W AD 76-07-12 R. (Bordy Sw) <i>[Signature]</i> END
SUB-TOTALS this page				
TOTALS—Carry forward to next page				

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Oct 13/08				Tach 2290. —
				Clean / ✓ / Lub engine controls ✓ exhaust-intake
				Replace AH Manifold Bolts - Alternator Belt - change Oil
				Filter - 7qts Exxon Elite 20-50 - Reset Oil Filler Tube -
				Press Prop - Re safety - Clean / test / Rotate Props -
				Over - 1- $\frac{7}{8}$ 3- $\frac{7}{8}$ 2- $\frac{7}{8}$ 4- $\frac{7}{8}$ ✓ Valve Covers - Wash
				down engine - Run-up - ops - ✓ -
				I certify that this engine has been inspected in
				accordance with an Annual inspection and was determined
				to be in Airworthy condition for time in service this date 10/08
				
				END
June 16-09				Tach - 2432 -
				Reinstalled Removed Engine for tear down and
				inspection and rebuild A/R by Columbia Aircraft Services
				Engine Run-up - ops ✓ - see work order for complete
				details of inspection. Add 7qts Aero Shell mineral for
				break in - All systems run up - proper function, etc -
				
				END
SUB-TOTALS this page				
TOTALS—Carry forward to next page				

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TOTALS brought forward from previous page				
				Repair Order 023296 dtd. 3/24/09
				Lycoming O-360-A4M Engine, S/N L-35819-36A Disassembled,
				Cleaned, Inspected & Reassembled in a Time to Continue
				Manner as per Lycoming Overhaul Manual 60294-7.
				Tach. Time: 916.8 Hrs. Engine Ttl. Time
				Engine Crankcase repaired (Divco WDC #99771 dtd. 4/2/09).
				4 Ea. NEW 76220-P01 Thru Bolts installed.
				4 Ea. SLC36001P10 Cylinders Overhauled.
				P/N 53E22144A Vernatherm Valve, S/N 120244 installed in
				compliance with Lyc. S.B. 518C.
				Engine Test Cell Run & found Satisfactory. Itemized Parts
				List & Yellow Tags given to Customer.
				
				for Columbia Aircraft Services, Inc.
				FAA R.S. #JM2R930K
7/16	2447			CHANGED ENGINE OIL + OIL FILTER
				- SAE 40 MINERAL OIL
				- K&N ES48110 FILTER
				TORQUED + SAFETY WIRED
				DID RUN UP ALL CHECKS O.K.
				 2746659 Ex 8/09
SUB-TOTALS this page				
TOTALS—Carry forward to next page				


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Oct 29-09			TACH-2514. —	S.M.O.H-998.3
				<p>clean ✓ Lub engine Controls ✓ Ex + INT Gas/ATS handwipes - ATTENTION - mounting + belt. change OIL + Filter add Exxon 15W-70 7/5-20-30 ✓ suction screen clean - Rotate Plugs - check prep ✓ safety. Comp. 1-$\frac{76}{80}$ 3-$\frac{76}{80}$ 2-$\frac{76}{80}$ 4-$\frac{76}{80}$ ✓ Valve covers - wash down engine - Run up ops. ✓ ETC -</p> <p>+ certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in favorable condition for time in service this date 10/09</p> <p><i>[Signature]</i> H. J. [unclear] TA</p> <p>END</p>
May -10-2010			TACH-2628. —	<p>change OIL/FILTER - open + ✓ OIL Filter (no debris NOTED) clean/ ✓ FINGER SCREEN (NO debris NOTED) SENT OUT OIL sample - RUN up ops ✓ for leaks - fill with Amsoil 15-50- 7/5 -</p> <p><i>[Signature]</i> H. J. [unclear]</p> <p>END</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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6/14/10	2658			CHANGED OIL + FILTER, 7 QTS. AEROSHELL 15W50, KELLEY 48110 OIL FILTER DID RUN UP ALL CHECKS O.K., TORQUED + SAFETY WIRED
	1142 SMOH			 2746659 EXP 8/11
7/23/10	2702			- CHANGED OIL + FILTER - ES48110, 7 QTS. 15W-50 - DID RUN UP ALL CHECKS O.K. TORQUED + SAFETY WIRED FILTER
				- CHANGED 8 SPARK PLUGS (CHAMPION REM38S), TORQUED DID RUN UP ALL CHECKS O.K.
				 2746659 EXP 8/11



Lahti Aerospace, Inc. 248-762-1836
2971 Sleaford Dr. Waterford, MI 48329







10/25/2010 N1689H Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 2805.6 SMOH 1289.6. Serviced with Aeroshell W65 and AA48110-2 filter. Comp test #1 75/80 #2 75/80 #3 78/80 #4 75/80. Checked and adjusted timing to 25°, tightened intake hose clamps, rocker box cover screws. Cleaned, tested and gapped and rotated spark plugs and reinstalled. Inspected exhaust muffs for cracks. Flushed carb. Checked and lubed controls. Dressed and painted prop. Washed down engine, Run-up for leak check ok. I certify that this engine/propeller has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition. —END— IA 2725134 Matt Lahti



		SUB-TOTALS this page
		TOTALS—Carry forward to next page

10/25/2010 N1689H Lycoming O-360-A4M, S/ N 1-35819-36A. Tach time 2805.6 SMOH 1289.6. Serviced with Aeroshell W65 and AA48110-2 filter. Comp test #1 75/80 #2 75/80 #3 78/80 #4 75/80. Checked and adjusted timing to 25°, tightened intake hose clamps, rocker box cover screws. Cleaned, tested and gapped and rotated spark plugs and reinstalled. Inspected exhaust muffers for cracks. Flushed carb. Checked and lubed controls. Dressed and painted prop. Washed down engine, Run-up for leak check ok. I certify that this engine/propeller has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition. —END— IA 2725134 Matt Lahti

Matthew

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
<div> Lahti Aerospace, Inc. 248-762-1836 2971 Sleaford Dr. Waterford, MI 48329</div>				
2/28/2011				N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 2903.6 SMOH 1387.3. Serviced with Aeroshell W65 and AA48110-2 filter. Comp test #1 75/80 #2 70/80 #3 75/80 #4 74/80. Checked timing to 25°, tightened intake hose clamps, rocker box cover screws. Cleaned, tested and gapped and rotated spark plugs and reinstalled. Inspected exhaust muffs for cracks. Flushed carb. Checked and lubed controls. Dressed and painted prop. Washed down engine, Run-up for leak check ok. I certify that this engine/propeller has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition. —END— AP/IA 2725134 Matt Lahti
<div> Lahti Aerospace, Inc. 248-762-1836 2971 Sleaford Dr. Waterford, MI 48329</div>				
6/14/2011				N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3000.8 SMOH 1484.8 Serviced with Aeroshell W100 and AA48110-2 filter. Comp test #1 74/80 #2 72/80 #3 76/80 #4 76/80. Checked timing to 25°, tightened intake hose clamps, rocker box cover screws. Cleaned, tested and gapped and rotated spark plugs and reinstalled. Inspected exhaust muffs for cracks. Flushed carb. Checked and lubed controls. Dressed and painted prop. Washed down engine, Run-up for leak check ok. I certify that this engine/propeller has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition. —END— AP/IA 2725134 Matt Lahti
<div> Lahti Aerospace, Inc. 248-762-1836 2971 Sleaford Dr. Waterford, MI 48329</div>				
6/30/2011				N47480 Tach time 3027.0 Removed vacuum pump and installed a new pump, P/N RA215CC, S/N A44377. —END— AP/IA 2725134 Matt Lahti
<div> Lahti Aerospace, Inc. 248-762-1836 2971 Sleaford Dr. Waterford, MI 48329</div>				
8/24/2011				N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3102.5 SMOH 1586.5. Serviced with Phillips 20W50 and AA48110-2 filter. Comp test #1 76/80 #2 74/80 #3 76/80 #4 76/80. Installed new M3081 points in left magneto, set timing to 25°, tightened intake hose clamps, installed RG-75906 rocker box cover gaskets. Cleaned, tested and gapped and rotated spark plugs and reinstalled. Inspected exhaust system for cracks. Flushed carb. Checked and lubed controls. Dressed and painted prop. Washed down engine, Run-up for leak check ok. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END— AP/IA 2725134 Matt Lahti
<div> Lahti Aerospace, Inc. 248-762-1836 2971 Sleaford Dr. Waterford, MI 48329</div>				
5/13/2011				N47480 Tach time 2978.7 Removed No. 1 cylinder replaced studs with new 2ea. P/N 50-15, 4ea. 38-13. Reinstalled cylinder with new base gasket, intake gasket and all new nuts, torqued nuts to specs. —END— AP/IA 2725134 Matt Lahti
<div> Lahti Aerospace, Inc. 248-762-1836 2971 Sleaford Dr. Waterford, MI 48329</div>				
11/25/2011				N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3204.9 SMOH 1688.9. Serviced with Phillips 20W50 and AA48110-2 filter. Comp test #1 74/80 #2 76/80 #3 76/80 #4 72/80. Set timing to 25° on left magneto, tightened intake hose clamps. Cleaned, tested and gapped and rotated spark plugs and reinstalled. Inspected exhaust system for cracks. Flushed carb, installed new filter in electric fuel pump. Checked and lubed controls. Dressed and painted prop. Washed down engine, Run-up for leak check ok. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END— AP/IA 2725134 Matt Lahti
				SUB-TOTALS this page
				TOTALS —Carry forward to next page

2/8/2012 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3302.6 SMOH 1786.9, Time to Continue 870.6. Serviced with Phillips 20W50 and AA48110-2 filter. Checked timing to 25° on both magnetos, tightened intake hose clamps. Cleaned, tested and gapped and rotated spark plugs and reinstalled. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked and lubed controls. Dressed out nicks and painted prop. Removed #3 and #4 cylinders, installed repaired chrome plated standard size Lycoming cylinders with new gaskets and seals, IAW Lycoming overhaul manual. Cylinder serial numbers are #3 93870, #4 86755, see 8130-3 tags for both cylinders. Washed down engine, Run-up for leak check ok. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END— AP 2725134 IA Matt Lahti

4/20/2012 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3407.1 SMOH 1891.4, Time to Continue 975.1. Compression check #1 77/80 #2 76/80 #3 75/80 #4 78/80. Installed new K3822 distributor block and gear assembly in LH mag. Checked timing to 25° on both magnetos, tightened intake hose clamps. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled. Repaired broken flare on primer line to #3 cylinder. Dressed out nicks and painted prop. Washed down engine, Run-up for leak check okay. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END— AP 2725134 IA Matt Lahti

6/14/2012 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3505.9 SMOH 1990.2, Time to Continue 1073.9. Compression check #1 78/80 #2 77/80 #3 77/80 #4 78/80. Checked timing to 25° on both magnetos, tightened intake hose clamps. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled. Dressed nicks and painted prop. Washed down engine, Run-up for leak check okay. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END— AP 2725134 IA Matt Lahti

8/3/2012 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3604.8 SMOH 2089.1, Time to Continue 1172.8. Compression check #1 75/80 #2 76/80 #3 76/80 #4 78/80. Checked timing to 25° on both magnetos, tightened intake hose clamps. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled. Dressed nicks and painted prop. Washed down engine, Run-up for leak check okay. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END— AP 2725134 IA Matt Lahti

9/5/2012 N47480 Tach time 3653.9 Oil and filter change, Serviced with 8 quarts of Phillips 20W50 X/C and a AA48110-2 filter. Run-up for leak check okay. The work on the Aircraft/component identified above was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to service. —END— AP 2725134 IA Matt Lahti

10/17/2012 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3702.6 SMOH 2186.9, Time to Continue 1270.6 Performed Annual inspection in accordance with Piper inspection report, FAR Part 43 Appendix D. Compression check #1 76/80 #2 76/80 #3 75/80 #4 78/80. Adjusted timing to 25° on both magnetos, tightened intake hose clamps. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled. Installed new BA-3 air filter. Inspected prop and spinner and bulkheads. Dressed out nicks and painted blades. Washed down engine, Run-up for leak check okay. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END— AP 2725134 IA Matt Lahti

12/19/2012 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3795.8 SMOH 2280.1, Time to Continue 1363.8 Performed Annual inspection in accordance with Piper inspection report, FAR Part 43 Appendix D. Serviced with Phillips 20W50 X/C and a AA48110-2 filter. Compression check #1 78/80 #2 76/80 #3 74/80 #4 76/80. Removed right magneto, installed serviceable distributor block and gear assembly P/N K3822 and points P/N M3081, adjusted timing to 25° on both magnetos, tightened intake hose clamps. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled. Inspected prop and spinner and bulkheads. Dressed out nicks, sanded and painted blades. Washed down engine, Run-up for leak check okay. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END— AP 2725134 IA Matt Lahti

3/19/2013 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3900.5 SMOH 2384.8, Time to Continue 1468.5
Performed Annual inspection in accordance with Piper inspection report, FAR Part 43 Appendix D. Compression check #1
78/80 #2 78/80 #3 70/80 #4 79/80. Removed #3 cylinder and installed overhauled cylinder assembly with new seals, IAW
Lycoming overhaul manual. Adjusted timing to 25° on both magnetos, tightened intake hose clamps. Inspected exhaust
system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked and lubed controls. Disassembled
Air/Oil Separator, cleaned and reassembled. Inspected prop and spinner and bulkheads. Dressed out nicks and painted
blades. Washed down engine, Run-up for leak check okay. I certify that this engine/propeller has been inspected in
accordance with an Annual inspection and was determined to be in an airworthy condition. —END—

AP 2725134 IA Matt Lahti

Matt Lahti

5/6/2013 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 3999.9 SMOH 2484.2, Time to Continue 1567.9
Performed Annual inspection in accordance with Piper inspection report, FAR Part 43 Appendix D. Oil and filter change,
serviced with Phillips 20W50 X/C and a AA48110-2 filter. Compression check #1 78/80 #2 76/80 #3 70/80 #4 76/80. Checked
timing to 25° on both magnetos, tightened intake hose clamps. Inspected exhaust system for cracks. Flushed carb and cleaned
fuel pump and strainer screens. Checked and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled.
Inspected prop and spinner and bulkheads. Dressed out nicks and painted blades. Washed down engine, Run-up for leak check
okay. I certify that this engine/propeller has been inspected in accordance with an Annual inspection and was determined to
be in an airworthy condition. —END—

AP 2725134 IA Matt Lahti

Matt Lahti

6/17/2013 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 4100.5 SMOH 2584.8, Time to Continue 1668.5
Performed Annual inspection in accordance with Piper inspection report, FAR Part 43 Appendix D. Oil and filter change,
serviced with Phillips 20W50 X/C and a AA48110-2 filter. Compression check #1 74/80 #2 77/80 #3 70/80 #4 77/80. Checked
timing to 25° on both magnetos. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer
screens. Checked and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled. Inspected prop and spinner
and bulkheads. Dressed out nicks and painted blades. Washed down engine, Run-up for leak check okay. I certify that this
engine/propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy
condition. —END—

AP 2725134 IA Matt Lahti

Matt Lahti

7/22/2013 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 4198.6 SMOH 2682.9, Time to Continue 1766.6
Performed Annual inspection in accordance with Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced
with Phillips 20W50 X/C and a AA48110-2 filter. Compression check #1 77/80 #2 77/80 #3 73/80 #4 77/80. Checked timing to
25° on both magnetos. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked
and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled. Inspected prop and spinner and bulkheads.
Dressed out nicks and painted blades. Washed down engine, Run-up for leak check okay. I certify that this engine/propeller has
been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END—

AP 2725134 IA Matt Lahti

Matt Lahti

8/26/2013 N47480 Lycoming O-360-A4M, S/ N L-35819-36A. Tach time 4302.1 SMOH 2786.4, Time to Continue 1870.1
Performed Annual inspection in accordance with Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced
with Phillips 20W50 X/C and a AA48110-2 filter. Compression check #1 76/80 #2 72/80 #3 73/80 #4 76/80. Checked timing to
25° on both magnetos. Inspected exhaust system for cracks. Flushed carb and cleaned fuel pump and strainer screens. Checked
and lubed controls. Disassembled Air/Oil Separator, cleaned and reassembled. Inspected prop and spinner and bulkheads.
Dressed out nicks and painted blades. Washed down engine, Run-up for leak check okay. I certify that this engine/propeller has
been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. —END—

AP 2725134 IA Matt Lahti

Matt Lahti

8/30/2013 N47480 Tach time 4314.0 Removed defective Kelly Aerospace Starter P/N SRZ-9021 S/N 1112765 and installed a new
Sky-Tec 149-12LS starter S/N F2L-191364 IAW the installation instructions. The work on the Aircraft/component identified above
was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to service. —END—

AP 2725134 IA Matt Lahti

Matt Lahti

9/26/2013 N47480 Tach 4374.3 Removed engine for overhaul. —END— AP 2725134 IA Matt Lahti

Matt Lahti

SUB-TOTALS this page

TOTALS—Carry forward to next page

8-8-2014 S/N L35819-36A TACH: 4374.3
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. 3 CYLINDERS NU-CHROMED & ONE WELDED BY
HARRISON ENGINE SERV WO#s 98925 THRU 98928. CAM & FOLLOWERS
GROUND BY AIRCRAFT SPECILTIES WO#s 222150 & 225097.
THE FOLLOWING PARTS INSTALLED NEW: 1-61084 SPRING, 1-SL1028-B BALL,
1-SLSTD2213 BOLT, 2-SL13448 BEARINGS, 4-SL11020 BEARINGS, 8-SL13521
ROD BEARINGS, 1-SL76121 TACH SHAFT, 4-SL75089 PISTONS, 4-CC203 RING
SETS, 1-SL13444-1 PISTON PIN, 8-SL13790 ROCKER SHAFTS, 8-SL12892 CAPS,
8-SL75061ROD BOLTS, 8-SL12186 NUTS, 1-SL18109S OIL GEAR KIT,
4-SL19001 EX VALVES, 4-SL74230 EX GUIDES, 8-SL31C-12 EX STUDES,
2-SL72057 INT SEATS, 2-SL72058 EX SEATS, 8-SL11795 & SL11800 VALVE
SPRINGS, 8-SL60009 & SLMS13997-3 VALVE KEYS, 4-SLMS13998-3 ROTO
CAPS, 4-SL69603 HOSES, 4-SLSTD1821 HOSES, 1SL75439-1 GASKET SET,
1-AF-15472 FUEL PUMP S/N 06C612. DISASSEMBLED, CLEANED & INSPECTED
MAGS S/Ns 79080292 & 9708030. REASSEMBLED WITH THE FOLLOWING
PARTS: POINTS & ALL BEARINGS. C/W ADs 96-09-10 DATED 7-15-96 PER S/B
524 DATED 9-1-96 & SI1341 DATED 7-76. DUE EACH 2000 HRS. 04-10-14 C1
DATED 6-25-04, PER SB 475C DATED 1-30-03. DUE AT EACH PROP STRIKE.
KLINE AVIATION, INC. PAUL KLINE *Paul Kline* 3376886 AP

RK PERFORMED—
PERSON PERFORMING WORK

age

1/8/2016 N6288J – Tach 3478.0 - Installed engine with new Lord Mounts, bolts and nuts. Installed overhauled
carburetor MA4-5, 10-5193, sn 75983711, overhauled right magneto, 4370R, sn D-02027, and new harness KA14001.
Used existing baffles, alternator, starter, and spark plugs. Serviced with 8 quarts Phillips XC 20w50 and 48110-2 filter.
Installed new gaskets where applicable. Test run and leak check satisfactory. Work performed with reference to Piper
Archer service manual and Lycoming direct drive overhaul manual. —END—
John Warren AP 3202234 IA *John Warren*

Date: 1/25/16, N#: 6288J, Tach Time: 3490.5

Changed oil, 8 quarts Philips X/C 20w50. Replaced oil filter AA48110-2. Complied with
AD 76-07-12R1 by operating switch. Due each 100 hours. —END—

John Warren AP3202234

2/12/2016 N6288J Lycoming O-360-A4M sn L-35819-36A Tach time 3531.8, SMOH 53.8 / Sensenich 76EM8S5-0-60
sn 30293K TSOH 53.8 – Tightened Vacuum pump attach nuts. Re-torqued and safety wired propeller. Dressed
propeller blades. Inspected and serviced engine with reference to Piper Archer inspection report and FAR 43, appx D.
Changed oil and filter, 8 qts Philips XC 20W50 and Tempest AA48110-2 filter. Compressions: 1-77, 2-77, 3-74, 4-75
over 80. This engine has been inspected in accordance with a 100 hour inspection and determined to be in an
airworthy condition. —END—

John Warren AP 3202234 IA

Date: 3/8/2016, N#: 6288J, Tach Time: 3582.9

Changed oil, 8 quarts Philips X/C 20w50. Replaced oil filter AA48110-2. Complied with
AD 76-07-12R1 by operating switch. Due each 100 hours. —END—

John Warren AP3202234 IA

3/29/2016 N6288J Lycoming O-360-A4M sn L-35819-36A Tach time 3631.2, SMOH 153.2 / Sensenich 76EM8S5-0-60
sn 30293K TSOH 153.2 – Dressed propeller blades. Inspected and serviced engine with reference to Piper Archer
inspection report and FAR 43, appx D. Changed oil and filter, 8 qts Philips XC 20W50 and Tempest AA48110-2 filter.
Compressions: 1-78, 2-78, 3-74, 4-76 over 80. This engine has been inspected in accordance with a 100 hour
inspection and determined to be in an airworthy condition. —END—

John Warren AP 3202234 IA

TOTALS—Carry forward to next page

Page 5/12/2016 N6288J Lycoming O-360-A4M sn L-35819-36A Tach time 3728.8, SMOH 250.8 / Sensenich 76EM8S5-0-60 sn 30293K TSOH 250.8 – Dressed propeller blades. Inspected and serviced engine with reference to Piper Archer inspection report and FAR 43, appx D. Changed oil and filter, 8 qts Philips XC 20W50 and Tempest AA48110-2 filter. Compressions: 1-78, 2-78, 3-75, 4-75 over 80. This engine / propeller has been inspected in accordance with a 100 hour inspection and determined to be in an airworthy condition. —END—

John Warren AP 3202234 IA

6/24/2016 N6288J Lycoming O-360-A4M, S/ N RL-18766-36A, Sensenich 76EM8S50-60 S/N 29777K Tach time 3828.8 SMOH 350.8 Performed 100 Hour inspection in accordance with Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression check #1 74/80 #2 74/80 #3 Replaced cylinder #4 74/80. Installed overhauled #3 cylinder with new gaskets and seals. Replaced top #4 and bottom #2 helicoils with new. Checked timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled, installed a serviceable REM38S plug. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Installed new BA3 air filter. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END— AP 2725134 IA Matt Lahti

7/28/2016 N6288J Lycoming O-360-A4M, S/ N RL-18766-36A, Sensenich 76EM8S50-60 S/N 29777K Tach time 3928.5 SMOH 450.5 Performed 100 Hour inspection with reference to Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression check #1 75/80 #2 78/80 #3 77/80 #4 78/80. Checked timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. This engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—

John Warren AP 3202234 IA

8/26/2016 N6288J Lycoming O-360-A4M, S/ N RL-18766-36A, Sensenich 76EM8S50-60 S/N 29777K Tach time 4025.0 SMOH 547.0 Performed 100 Hour inspection with reference to Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression check #1 75/80 #2 78/80 #3 77/80 #4 78/80. Checked timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. This engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—

John Warren AP 3202234 IA

8/26/2016 N6288J Lycoming O-360-A4M, S/ N RL-18766-36A, Sensenich 76EM8S50-60 S/N 29777K Tach time 4125.0 SMOH 647.0 Performed 100 Hour inspection with reference to Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression check #1 78/80 #2 78/80 #3 78/80 #4 70/80. Checked timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. This engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—

John Warren AP 3202234 IA

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10/26/2016 N6288J Lycoming O-360-A4M, S/ N RL-18766-36A, Sensenich 76EM8S50-60 S/N 29777K Tach time 4223.8 SMOH 745.8 Performed 100 Hour inspection with reference to Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression check #1 78/80 #2 78/80 #3 78/80 #4 70/80. Checked timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. This engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—

John Warren AP 3202234 IA

12/1/2016 N6288J Lycoming O-360-A4M, S/ N RL-18766-36A, Sensenich 76EM8S50-60 S/N 29777K Tach time 4319.7 SMOH 841.7 Performed 100 Hour inspection with reference to Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression check #1 78/80 #2 78/80 #3 74/80 #4 68/80. Checked timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed and painted blades. This engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—

John Warren AP 3202234 IA

1/28/2017 N6288J Lycoming O-360-A4M, S/ N RL-18766-36A, Sensenich 76EM8S50-60 S/N 29777K Tach time 4417.4 SMOH 579.4 Performed 100 Hour inspection with reference to Piper inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression check #1 78/80 #2 78/80 #3 74/80 #4 68/80. Checked timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed and painted blades. This engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—

John Warren AP 3202234 IA

3/7/2017 ML

6/24/2016 N6288J Lycoming O-360-A4M, S/ N RL-35819-36A Sensenich 76EM8S50-60 S/N 29777K Tach time 4516.0 SMOH 1038.0 Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D. Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Replaced all 4 cylinders with overhauled cylinders with new gaskets and seals. Checked/Adjusted timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Inspected exhaust system for cracks, repaired cabin heat scoop on shroud. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—

AP 2725134 IA Matt Lahti

SUB-TOTALS this page

TOTALS—Carry forward to next page

4/17/2017 N6288J Lycoming O-360-A4M, S/N RL-35819-36A Sensenich 76EM8S50-60 S/N 29777K Tach time 4613.2 SMOH 1135.2
Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D.
Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression test #1 78/80 #2 76/80 #3 68/80 #4 76/80. Checked/Adjusted timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—
AP 2725134 IA Matt Lahti

6/1/2017 N6288J Lycoming O-360-A4M, S/N RL-35819-36A Sensenich 76EM8S50-60 S/N 29777K Tach time 4710.7 SMOH 1232.7
Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D.
Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Compression test #1 78/80 #2 75/80 #3 77/80 #4 74/80. Checked/Adjusted timing to 25° on both magnetos. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Installed new Heli-coil in #2 cylinder lower spark plug hole. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—
AP 2725134 IA Matt Lahti

7/12/2017 N6288J Lycoming O-360-A4M, S/N RL-35819-36A Sensenich 76EM8S50-60 S/N 29777K Tach time 4809.8 SMOH 1331.8
Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D.
Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Compression test #1 79/80 #2 78/80 #3 76/80 #4 79/80. Checked/Adjusted timing to 25° on both magnetos. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—
AP 2725134 IA Matt Lahti

8/4/2017 N6288J Lycoming O-360-A4M, S/N RL-35819-36A Sensenich 76EM8S50-60 S/N 29777K Tach time 4902.0 SMOH 1424.0
Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D.
Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Compression test #1 74/80 #2 72/80 #3 74/80 #4 72/80. Checked/Adjusted timing to 25° on both magnetos. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—
AP 2725134 IA Matt Lahti

8/15/2017 - N6288J - Tach 4934.5 - Replaced #3 cylinder assembly, piston and rings, gaskets and seals. Removed and replaced cylinder #2 to change base seal, pushrod tube seals. Fabricated new primer line for #3 cylinder. Washed engine, and test run. No leaks found. Work accomplished with reference to Lycoming direct drive overhaul manual. -END-
John Warren AP 3202234 IA

SUB-TOTALS this page

TOTALS—Carry forward to next page

9/1/2017 N6288J Lycoming O-360-A4M, S/N RL-35819-36A Sensenich 76EM8S50-60 S/N 29777K Tach time 4993.8 SMOH 1515.8
Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D.
Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Compression test #1 78/80 #2 72/80 #3 78/80 #4 78/80. Checked/Adjusted timing to 25° on both magnetos. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—
AP 2725134 IA Matt Lahti




9/27/2017 N6288J Lycoming O-360-A4M, S/N RL-35819-36A Sensenich 76EM8S50-60 S/N 29777K Tach time 5088.4 SMOH 1610.4
Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D.
Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Compression test #1 78/80 #2 74/80 #3 76/80 #4 78/80. Checked/Adjusted timing to 25° on both magnetos. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Installed serviceable lower heat shroud. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—
AP 2725134 IA Matt Lahti




10/21/2017 N6288J Lycoming O-360-A4M S/N RL-35819-36A Sensenich 76EM8S50-60 S/N 29777K Tach time 5186.6 SMOH 1707.6
Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D.
Oil and filter change, serviced with Phillips 20W50 X/C and an AA48110-2 filter. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Compression test #1 78/80 #2 76/80 #3 75/80 #4 76/80. Checked/Adjusted timing to 25° on both magnetos. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner, inspected prop and spinner and bulkheads, reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine/propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—
AP 2725134 IA Matt Lahti




11/21/2017 N6288J Lycoming O-360-A4M S/N L-35819-36A Tach time 5279.9 SMOH 1800.9
Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D.
Oil and filter change, serviced with Phillips 20W50 X/C and an CH48110-1 filter. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Compression test #1 79/80 #2 76/80 #3 78/80 #4 79/80. Checked/Adjusted timing to 25° on both magnetos. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. Removed spinner and propeller, installed new crankshaft seal P/N LW-13792, inspected prop and spinner and bulkheads, reinstalled propeller, safety wired bolts and reinstalled spinner. Dressed out nicks and painted blades. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. —END—
AP 2725134 IA Matt Lahti

2/9/2018 N6288J - Lycoming O-360-A4M - Tach Time 5372.5 - Removed cylinders and 3 to access and clean thru-stud bores. Reinstalled thru studs with Locti 518 sealant and reinstalled cylinders with new gasket kits. Work accomplished with reference to Lycoming direct drive overhaul manual, SI 1290F, and SI 10230. Engine runup showed no leaks.
John Warren AP 3202234 IA

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
				TOTALS brought forward from previous page
4/23/2018				N6288J LYCOMING O-360-A4M S/N L-35819-36A Tach time 5375.9 SMOH 1896.9 Performed 100 Hour inspection in accordance with Piper 28-181 inspection report, FAR Part 43 Appendix D. Removed Vacuum pump and installed cover plate. Oil and filter change, serviced with Phillips 20W50 X/C and an CH48110-1 filter. Removed spark plugs, cleaned, tested, gapped, rotated and reinstalled. Compression test #1 78/80 #2 79/80 #3 72/80 #4 76/80. Checked/Adjusted timing to 25° on both magnetos. Inspected exhaust system for cracks. Flushed carburetor and cleaned fuel pump and strainer screens. Checked and lubed controls. Washed down engine, Run-up for leak check okay. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. -END - John Warren AP 3202234 IA 
5/30/2018				N6288J LYCOMING O-360-A4M S/N L-35819-36A TACH TIME 5471.6 - SMOH 1992.6 PERFORMED 100 HOUR INSPECTION IN ACCORDANCE WITH PIPER 28-181 INSPECTION REPORT, FAR 43 APPENDIX D. OIL AND FILTER CHANGE, SERVICED WITH PHILLIPS 20W50 X/C AND AN CH48110-1 FILTER. COMPRESSION TEST #1 76/80 #2 74/80 #3 66/80 #4 72/80. REMOVED SPARK PLUGS, CLEANED, TESTED, GAPPED, ROTATED AND REINSTALLED. CHECKED/ADJUSTED TIMING TO 25° ON BOTH MAGNETOS. INSPECTED EXHAUST SYSTEM FOR CRACKS. FLUSHED CARBURETOR AND CLEANED FUEL PUMP AND STRAINER SCREENS. CHECKED AND LUBED CONTROLS. WASHED DOWN ENGINE, RUN-UP FOR LEAK CHECK OKAY. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. -END - JOHN WARREN AP 3202234 IA 
7/10/2018				N6288J LYCOMING O-360-A4M S/N L-35819-36A TACH TIME 5569.3 - SMOH 2090.3 PERFORMED 100 HOUR INSPECTION IN ACCORDANCE WITH PIPER 28-181 INSPECTION REPORT, FAR 43 APPENDIX D. OIL AND FILTER CHANGE, SERVICED WITH PHILLIPS 20W50 X/C AND AN CH48110-1 FILTER. COMPRESSION TEST #1 70/80 #2 70/80 #3 72/80 #4 68/80. REMOVED SPARK PLUGS, CLEANED, TESTED, GAPPED, ROTATED AND REINSTALLED. CHECKED/ADJUSTED TIMING TO 25° ON BOTH MAGNETOS. INSPECTED EXHAUST SYSTEM FOR CRACKS. FLUSHED CARBURETOR AND CLEANED FUEL PUMP AND STRAINER SCREENS. CHECKED AND LUBED CONTROLS. WASHED DOWN ENGINE, RUN-UP FOR LEAK CHECK OKAY. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. -END - JOHN WARREN AP 3202234 IA 
				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
				TOTALS brought forward from previous page
8/6/2018				N6288J LYCOMING O-360-A4M S/N L-35819-36A TACH TIME 5661.6 - SMOH 2182.6 PERFORMED 100 HOUR INSPECTION IN ACCORDANCE WITH PIPER 28-181 INSPECTION REPORT, FAR 43 APPENDIX D. OIL AND FILTER CHANGE, SERVICED WITH PHILLIPS 20W50 X/C AND AN CH48110-1 FILTER. COMPRESSION TEST #1 70/80 #2 72/80 #3 72/80 #4 76/80. REMOVED SPARK PLUGS, CLEANED, TESTED, GAPPED, ROTATED AND REINSTALLED. CHECKED/ADJUSTED TIMING TO 25° ON BOTH MAGNETOS. INSPECTED EXHAUST SYSTEM FOR CRACKS. FLUSHED CARBURETOR AND CLEANED FUEL PUMP AND STRAINER SCREENS. CHECKED AND LUBED CONTROLS. WASHED DOWN ENGINE, RUN-UP FOR LEAK CHECK OKAY. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. -END - JOHN WARREN AP 3202234 IA 
9/6/2018				N6288J LYCOMING O-360-A4M S/N L-35819-36A TACH TIME 5755.5 - SMOH 2276.5 PERFORMED 100 HOUR INSPECTION IN ACCORDANCE WITH PIPER 28-181 INSPECTION REPORT, FAR 43 APPENDIX D. OIL AND FILTER CHANGE, SERVICED WITH PHILLIPS 20W50 X/C AND AN CH48110-1 FILTER. COMPRESSION TEST #1 70/80 #2 70/80 #3 76/80 #4 74/80. REMOVED SPARK PLUGS, CLEANED, TESTED, GAPPED, ROTATED AND REINSTALLED. CHECKED/ADJUSTED TIMING TO 25° ON BOTH MAGNETOS. INSPECTED EXHAUST SYSTEM FOR CRACKS. FLUSHED CARBURETOR AND CLEANED FUEL PUMP AND STRAINER SCREENS. CHECKED AND LUBED CONTROLS. WASHED DOWN ENGINE, RUN-UP FOR LEAK CHECK OKAY. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. -END - JOHN WARREN AP 3202234 IA 
10/11/2018				N6288J LYCOMING O-360-A4M S/N L-35819-36A TACH TIME 5847.3 - SMOH 2368.3 PERFORMED 100 HOUR INSPECTION IN ACCORDANCE WITH PIPER 28-181 INSPECTION REPORT, FAR 43 APPENDIX D. OIL AND FILTER CHANGE, SERVICED WITH PHILLIPS 20W50 X/C AND AN CH48110-1 FILTER. COMPRESSION TEST #1 78/80 #2 72/80 #3 76/80 #4 72/80. REMOVED SPARK PLUGS, CLEANED, TESTED, GAPPED, ROTATED AND REINSTALLED. CHECKED/ADJUSTED TIMING TO 25° ON BOTH MAGNETOS. INSPECTED EXHAUST SYSTEM FOR CRACKS. FLUSHED CARBURETOR AND CLEANED FUEL PUMP AND STRAINER SCREENS. CHECKED AND LUBED CONTROLS. WASHED DOWN ENGINE, RUN-UP FOR LEAK CHECK OKAY. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. -END - JOHN WARREN AP 3202234 IA 
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				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
				TOTALS brought forward from previous page
11/9/2018				<p>N6288J LYCOMING O-360-A4M S/N L-35819-36A TACH TIME 5937.7 - SMOH 2458.7 PERFORMED 100 HOUR INSPECTION IN ACCORDANCE WITH PIPER 28-181 INSPECTION REPORT, FAR 43 APPENDIX D. OIL AND FILTER CHANGE, SERVICED WITH PHILLIPS 20W50 X/C AND AN CH48110-1 FILTER. COMPRESSION TEST #1 76/80 #2 70/80 #3 70/80 #4 72/80. TIGHTENED EXHAUST FLANGE NUTS AND INTAKE BOLTS. REPLACE #3 CYLINDER INTAKE GASKET. REMOVED SPARK PLUGS, CLEANED, TESTED, GAPPED, ROTATED AND REINSTALLED. CHECKED/ADJUSTED TIMING TO 25° ON BOTH MAGNETOS. INSPECTED EXHAUST SYSTEM FOR CRACKS. FLUSHED CARBURETOR AND CLEANED FUEL PUMP AND STRAINER SCREENS. CHECKED AND LUBED CONTROLS. WASHED DOWN ENGINE, RUN-UP FOR LEAK CHECK OKAY. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. -END -</p> <p>JOHN WARREN AP 3202234 IA </p>
1/3/2019				<p>N6288J LYCOMING O-360-A4M S/N L-35819-36A TACH TIME 6028.9 - SMOH 2549.9 PERFORMED 100 HOUR INSPECTION IN ACCORDANCE WITH PIPER 28-181 INSPECTION REPORT, FAR 43 APPENDIX D. OIL AND FILTER CHANGE, SERVICED WITH PHILLIPS 20W50 X/C AND AN CH48110-1 FILTER. COMPRESSION TEST #1 74/80 #2 77/80 #3 75/80 #4 75/80. TIGHTENED EXHAUST FLANGE NUTS AND INTAKE BOLTS. REMOVED SPARK PLUGS, CLEANED, TESTED, GAPPED, ROTATED AND REINSTALLED. CHECKED/ADJUSTED TIMING TO 25° ON BOTH MAGNETOS. INSPECTED EXHAUST SYSTEM FOR CRACKS. FLUSHED CARBURETOR AND CLEANED FUEL PUMP AND STRAINER SCREENS. CHECKED AND LUBED CONTROLS. WASHED DOWN ENGINE, RUN-UP FOR LEAK CHECK OKAY. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. -END -</p> <p>JOHN WARREN AP 3202234 IA </p>
2/20/2019				<p>N6288J LYCOMING O-360-A4M S/N L-35819-36A TACH TIME 6128.3 - SMOH 2649.3 PERFORMED 100 HOUR INSPECTION IN ACCORDANCE WITH PIPER 28-181 INSPECTION REPORT, FAR 43 APPENDIX D. OIL AND FILTER CHANGE, SERVICED WITH PHILLIPS 20W50 X/C AND AN CH48110-1 FILTER. COMPRESSION TEST #1 70/80 #2 72/80 #3 70/80 #4 68/80. REMOVED SPARK PLUGS, CLEANED, TESTED, GAPPED, ROTATED AND REINSTALLED. CHECKED/ADJUSTED TIMING TO 25° ON BOTH MAGNETOS. INSPECTED EXHAUST SYSTEM FOR CRACKS. FLUSHED CARBURETOR AND CLEANED FUEL PUMP AND STRAINER SCREENS. CHECKED AND LUBED CONTROLS. WASHED DOWN ENGINE, RUN-UP FOR LEAK CHECK OKAY. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. -END -</p> <p>JOHN WARREN AP 3202234 IA </p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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8-2-2023 S/N L-35819-36A TACH: **TT-7551.1**
ENGINE MEETS REQUIREMENTS OF MAJOR OVERHAUL AFTER COMPLETION OF TEST RUN. STEEL PARTS MAGNAFLUXED, CASE ZYGLOED AND FOUND FREE OF CRACKS AT THIS TIME. CAM FOLLOWERS RECONDITIONED BY AIRCRAFT SPECILTIES WO# 279066. CRANKCASE OVERHAULED BY CRANKCASE SERVICES WO# 37351. THE FOLLOWING PARTS INSTALLED NEW:
4-SL36000W-A20P CYLINDER ASSEMBLIES, 1-SL18840 CAMSHAFT, 1-SL61084 OIL SPRING, 1-SL1028-B OIL BALL, 1-SLSTD2213 CRANK GEAR BOLT, 2-SL13884 MAIN BEARINGS, 4-SL11020 MAIN BEARINGS, 8-SL13521 ROD BEARNGS, 1-SL18109S OIL GEAR KIT, 8-SL75061 ROD BOLTS, 1-SL12186 NUTS, 1-SL13444-1 PISTON PIN, 2-SL75339 BAFFLES, 1-SL68761 & 68759 OIL LINES, 4-SL69603 HOSES, 4-SLSTD1821 HOSES, 1-SL75439-1 GASKET SET. INSTALLED NEW AF15472 FUEL PUMP S/N 11GV15.C/W ADs 96-09-10 DATED 7-15-96 PER S/B 524 DATED 9-1-96 & SI1341 DATED 7-76. 04-10-14 C1 DATED 6-25-04, PER SB 475C DATED 1-30-03. DUE AT EACH PROP STRIKE. 17-16-11 DATED 8-15-17 ROD BUSHINGS DNA/ 98-02-08 DATED 3-30-99 DNA BY TYPE. KLINE AVIATION, INC. PAUL KLINE **Paul Kline** 3726886 AP IA.

1 OF WORK PERFORMED—
TE NO. OF PERSON PERFORMING WORK

previous page

KC

Created 09/25/2023 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach
677.60 TTIS 7551.10 TSOH 0.00

Installed this engine on N33/FB per PA-28-181 M.M. 71-00-00. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell mineral W100 oil. Removed L/H magneto P/N 4371 S/N: H-W1101138 and installed overhauled magneto P/N: 4371 S/N:L-06304 and timed it to 25 BTDC. Removed R/H magneto P/N: 4370 S/N:14010811 and installed overhauled magneto P/N: 4371 S/N:L-06273 and timed it to 25 BTDC. Installed serviceable used carburetor P/N: 10-5193 S/N MS13U205 TT 82.1 hours. Ops/leak check good.

Gregory Warton # 3807766 A&P IA Date: 9/6/23 Signature **Gregory Warton**

KC

Created 10/04/2023 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach 711.70 TTIS 7585.20 TSOH 34.10

Change oil from mineral to Ashless Dispersant with reference to Piper PA-28-181 AMM 5-20-00. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W100.

Dominic Blewett # P 4848287 Date: 10/4/23 Signature **Dominic Blewett**

KC

Created 10/20/2023 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach
756.30 TTIS 7629.80 TSOH 78.70

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2023-21. No applicable AD's due at this time. Compressions #1 74/80 #2 68/80 #3 72/80 #4 67/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Cleaned, gapped, tested, and reinstalled spark plugs.

I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Dominic Blewett # P 4848287 Date: 10/20/23 Signature **Dominic Blewett**

SUB-TOTALS this page

TOTALS—Carry forward to next page

KC

Created 11/22/2023 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach 847.70 TTIS 7721.20 TSOH 170.10

Completed a 100HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM. Reserched AD's through bi-weekly report 2023-24. No applicable AD's due at this time. Compressions #1 79/80 #2 75/80 #3 75/80 #4 79/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Removed cleaned, gapped and reinstalled sparkplugs. Removed LH magneto P/N 4371 S/N 07100129/ L-06304 and replaced LH magneto with P/N 4371 S/N 14110768/-06022. Timed magnetos with reference to engine data plate. Removed, inspected, Thread taped and reinstalled leaking oil line fitting at accessory case. Replaced oil sump

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KC

Created 12/29/2023 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach 934.90 TTIS 7808.40 TSOH 257.30

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2023-26. No applicable AD's due at this time. Compressions #1 79/80 #2 75/80 #3 71/80 #4 77/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80.. Replaced leaking #3 valve cover gasket P/N APS-75906-5. Removed and pipe threaded quick drain valve and sump plug on bottom of oil sump. Fabricated doubler on #3 cyl baffle with reference to AC 43.13-1B. Replaced and reoriented scat tube from exhaust shroud to cowl.

I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Logan Baker P#4638550 Date: 12/29/23 Signature **Logan Baker**

SUB-TOTALS this page

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SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

KC

Created 02/07/2024 Model: O-360-A4M S/N L-35819-36A
Engine 1 Tach 1030.70 TTIS 7904.20 TSOH 353.10

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM. Researched AD's through Bi-weekly Report 2024-02. No applicable AD's due at this time. Compressions #1 79/80 #2 79/80 #3 79/80 #4 79/80. Drained oil sump. Removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7 qts of Aeroshell W80. Cleaned, gapped, and inspected spark plugs.

I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Logan Baker P#4638550 Date: 2/7/24 Signature: 

KC

Created 03/12/2024 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach 1128.20 TTIS 9001.70 TSOH 450.60
Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 02/26/2024-03/10/2024 Compressions #1 74/80 #2 71/80 #3 76/80 #4 71/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Cleaned, gapped, and inspected spark plugs. R/R Cylinder #2 Intake gasket P/N: SL71973. Removed LH magneto P/N: 4371 S/N: L-06304. Installed LH magneto P/N: 4371 S/N: 12155 Removed RH magneto P/N: 4371 S/N: L-06273. Installed RH magneto P/N: H4370 S/N: H-Y020054 Timed magnetos with reference to engine data plate. All IAW Lycoming O-360-A4M MM.

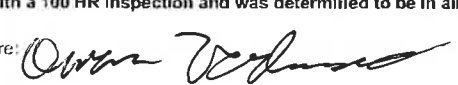
I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Owen Fortney # PPL, A&P 4429081 Date: 3/12/24 Signature: 

KC

Created 04/12/2024 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach 1220.10 TTIS 8093.60 TSOH 542.50
Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-07-03-25/2024-04-07/2024. Compressions #1 78/80 #2 74/80 #3 64/80 #4 69/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W100. Removed and replaced cylinder #2 intake gasket P/N: SL71973. Removed and replaced Tempest fuel pump with O/H Tempest fuel pump P/N: LW15472 and it was repaired at Aero Accessories, LLC Station NO. YV4R688. No ad's found.

I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Owen Fortney # A&P, PPL 4429081 Date: 4/12/24 Signature: 

KC

Created 05/20/2024 Model: O-360-A4M S/N L-35819-36A
Tach 1289.20 TTIS 8162.70 TSOH 611.60

Replaced RH magneto with with overhauled magneto P/N 4370 S/N H-Y030108.
Replaced RH mag gasket with new gasket P/N SA534750. Performed ops check, no defects noted. All work done using Lycoming MM as guide.

Landon Reeder A&P 4369883 Date: 5/20/24 Signature: 

TOTALS—Carry forward to next page

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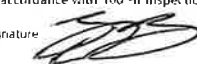
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TOTALS brought forward from previous page

Created 05/13/2024 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach 1293.1 TTIS 8157.1 TSOH 542.50

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-10-04/25-2024-04/07/2024. Compressions #1 72/80 #2 76/80 #3 74/80 #4 76/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Replaced 3 spark plugs P/N UREM40E. Replaced #1 cylinder primer line P/N 61807-000.


I certify that this engine has been inspected in accordance with 100 Hr inspection and was determined to be in airworthy condition.

Logan Baker P#4638550 Date: 5/23/24 Signature: 

Summary

Created 06/19/2024 Model: O-360-A4M S/N L-35819-36A Engine 1 Tach 1389.60 TSN 8262.42 TSO 711.35

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-12. No applicable AD's due at this time. Compressions #1 70/80 #2 74/80 #3 74/80 #4 76/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W100. I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Logan Baker P#4638550 Date: 6/19/24 Signature: 

Created: Fri, 07/19/24 Model: O-360-A4M S/N L-35819-36A TACH: 1487.1 TTIS: 8459.3 TSOH: 808.5

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-14 Compressions #1 77/80 #2 70/80 #3 71/80 #4 72/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W100. R/R cylinder number 3 intake gasket P/N: SL71973. Adjusted magneto timing on R/H and L/H magneto IAW O-360-A4M operators manual and SSP-1776-5.

I certify that this engine has been inspected in accordance with a 100 Hour inspection and was determined to be in airworthy condition.

Owen Fortney A&P #4429081 Date: Fri, 07/19/24 Signature: 

7/23/24, 3:29 PM

Details

Created: Tue, 07/23/24 Model: O-360-A4M S/N: L-35819-36A

TACH: 1588.1

Replaced cyl#1, cyl#2, cyl#4 intake gaskets with new gaskets P/N SL71973. Replaced cyl#3 rubber intake boot with new boot P/N 08-11844. Performed ops check, no defects noted. All work done IAW Lycoming O-360-A4M MM and Piper PA-28-181 AMM.

Landon Reeder A&P #4369883 Date: Tue, 07/23/24 Signature: 

Created: Wed, 08/28/24 Model: O-360-A4M S/N: L-35819-36A

TACH: 1584.8 TTIS: 6457.1 TSOH: 906.7 11337FB

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-18. No applicable AD's due at this time. Compressions #1 79/80 #2 79/80 #3 74/80 #4 73/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W100. Cleaned, inspected, gapped and tested spark plugs. Replaced 3 spark plugs P/N UREM40E. Re-torqued Crankcase spine bolts with reference to SSP-1776-5. Replaced Cylinder #2 and cylinder #3 intake gaskets P/N SL71973. Replaced leaking Cylinder #1 valve cover gasket P/N 08-01314. Work done with reference to Piper PA-28-181 AMM and Lycoming direct drive overhaul manual.

I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Logan Baker P #4638550 Date: Wed, 08/28/24 Signature: 

DATE

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-19. None applicable. Compressions #1 74/80 #2 76/80 #3 72/80 #4 74/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W100. R/R spark plugs on cylinder 1 Top and cylinder 3 Bottom P/N: UREM40E. Rocker box gasket replaced on cylinder #2 and #4 P/N: RG-75906 SP. Replaced intake gasket on cylinder #2, #3, and #4. P/N: SL68315. Repaired airbox carb heat hinge with a patch plate IAW AC43.13-1B. R/R airbox gasket P/N. MC63684-04. Work done with reference to Lycoming O-360-A4M direct drive manual.

I certify that this engine has been inspected in accordance with 100 Hour Inspection and has been determined to be in an airworthy condition.

Owen Fortney A&P #4429081 Date: Tue, 09/24/24 Signature: *Owen Fortney*

Essential Aviation

N337FB S/N:2843550

Lycoming O-360A4M S/N: L-35819-36A 25 G

Tach time:1671.0 TSMOH: 992.9 Date:09/23/24

Completed annual inspection per FAR part43 appendix D and PA-28-181 A.M.M. Performed compression check #1 74/80 #2 76/80 #3 72/80 #4 74/80. Researched AD's through ad bi-weekly report 2024-18.

I certify that this engine has been inspected in accordance with Annual per FAR part 43 appendix D and was determined to be in airworthy condition

Gregory Warton A&P 3807766 IA *Gregory Warton*

Created: Mon, 10/28/24 Model: O-360-A4M S/N: L-35819-36A TACH: 1770.2 TTIS: 8592.1 TSOH: 2041.0 N337FB

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-21 Compressions #1 79/80 #2 78/80 #3 72/80 #4 72/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Removed and replaced cyl #2 and #3 intake gasket P/N 71973 replaced both magnetos P/N 4370 & 4371 per Lycoming Direct Drive Manual Sec. 5. I certify that this engine has been inspected in accordance with a 100 Hr. inspection and has been determined to be in an airworthy condition.

Josh Kennedy A&P #4653415 Date: Mon, 10/28/24 Signature: *Josh Kennedy*

Created: Mon, 12/02/24 Model: O-360-A4M S/N: L-35819-36A

TACH: 1817.4 TTIS: 8639.6 TSOH: 1088.5

Replaced engine driven fuel pump P/N LW15472 with new fuel pump P/N LW15472 S/N 1CW24 using PA-28-181 AMM and Lycoming direct drive MM as guide. Performed ops check, no defects noted.

Landon Reeder A&P #4369883 Date: Mon, 12/02/24 Signature: *Landon Reeder*

Created: Mon, 01/17/25 Model: O-360-A4M S/N: L-35819-36A TACH: 3834.00 TTIS: 8,684.6 TSOH: 1,181.0

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-21 Compressions #1 74/80 #2 79/80 #3 70/80 #4 74/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Removed and replaced cyl #2 and #3 intake gasket P/N 71973. Replaced cylinder #3 bottom spark plug P/N UREM 40E. I certify that this engine has been inspected in accordance with a 100 Hr. inspection and has been determined to be in an airworthy condition.

Josh Kennedy A&P #4653415 01/17/25 Signature: *Josh Kennedy*

Created: 01/22/2025 Aircraft Registration Number: N337FB Make: Lycoming Model: O-360-A4M S/N: L-35819-36A Tach: 3865.10

During logbook review pilot found possible discrepancy relating to the installation of type D oil cooler hoses and compliance with AD 2017-14-04. Removed upper cowl, confirmed installation of Type D oil cooler hoses referenced at engine overhaul logged 8/2/2023 confirming compliance with AD 2017-14-04 as of that date. No further action required beyond standard condition inspection during routine maintenance. Reinstalled upper cowl IAW Piper PA-28-181 AMM.

Landon Reeder #4369883 Date: 1/22/25 Signature: *Landon Reeder*

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G WORK

Created 03/28/2025 Aircraft Registration Number: N337FB Make: Lycoming Model: O-360-A4M S/N: L-35819-36A TT: 3944.30 TTIS: 8766.20 TSOH: 1262.60

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00 and Lycoming O-360 MM. Researched AD's through bi-weekly report 2025-06. No applicable AD's due at this time. Compressions #1 72/80 #2 76/80 #3 68/80 #4 73/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Cleaned, inspected, gapped, tested, and reinstalled spark plugs. Replaced leaking Cyl #2 intake gasket with new gasket P/N SA629925 and retorqued all other intake bolts. Performed engine run up and leak check, no defects noted.

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

Landon Reeder A&P 4369883 Date: 3/28/25 Signature: *Landon Reeder*

Created 05/22/2025 Aircraft Registration Number: N337FB Make: Lycoming Model: O-360-A4M S/N: L-35819-36A TT: 4016.60 TTIS: 8838.50 TSOH: 1334.90

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00 and Lycoming O-360 MM. Researched AD's through bi-weekly report 2025-10. No applicable AD's due at this time. Compressions #1 70/80 #2 76/80 #3 72/80 #4 74/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Cleaned, inspected, gapped, tested, and reinstalled spark plugs. Oil return line cyl. 2 chaffing, R/R P/N: 68760. Intake manifold cyl. 2 leaking, R/R Gasket P/N: SL71973. Rocker box cover cyl. 3 leaking, R/R gasket, P/N: RG75906-SP. Air filter replacement due, R/R P/N: BA-3. Performed engine run up and leak check, no defects noted.

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

Frank Horveath A&P 5135166 Date: 5/22/25 Signature: *Frank Horveath*

Created 05/23/2025 Aircraft Registration Number: N337FB Make: Lycoming Model: O-360-A4M S/N: L-35819-36A TT: 4019.00 TTIS: 8840.90 TSOH: 1337.30

AD Number: 2024-21-02 N/A due to no record of connecting rods replaced at overhaul during the time frame of the ship dates per this AD. No further compliance with this AD is required.

Frank Horveath A&P 5135166 Date: 5/23/25 Signature: *Frank Horveath*

Created: 06/30/2025 Aircraft Registration Number: N337FB Make: Piper Model: Archer III S/N: 2843550 Tach: 4061.40 TTIS: 4033.50

Pilots reported rough running engine. Intake gasket cyl. 2 faulty. R/R P/N: SL71973 IAW Chapter 71. Piper AMM. Performed engine run up and ops check, no defects noted.

Frank Horveath A&P 5135166 Date: 6/30/25 Signature: *Frank Horveath*

Created 07/17/2025 Aircraft Registration Number: N337FB Make: Lycoming Model: O-360-A4M S/N: L-35819-36A TT: 4092.80 TTIS: 8914.70 TSOH: 1411.10

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00 and Lycoming O-360 MM. Researched AD's through bi-weekly report 2025-14. No applicable AD's due at this time. Compressions #1 79/80 #2 79/80 #3 78/80 #4 74/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Re-terminated broken power wire from alternator. Cleaned, inspected, gapped, tested, and reinstalled spark plugs. Performed engine run up and leak check, no defects noted.

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

Logan Baker A&P 4638550 Date: 7/17/25 Signature: *Logan Baker*

4850 Spartan Dr, Denton, TX 76207
W021262 - N337FB

Aviation

Office: (866) 383-2400 - Fax: (940) 3381-3555

S/N: 2843550 - Lycoming - S/N: L-35819-36A
- S/N: - S/N:

TACH: 4,162.3 - TSMO: 1,480.6

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00 and Lycoming O-360MM. Researched AD's through bi-weekly report 2025-25. Compressions #1 68/80 #2 78/80 #3 70/80 #4 73/80. Drained oil sump, removed and cut open oil filter. No defects noted. Installed new oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Removed, cleaned, inspected, checked gap, and tested spark on all spark plugs. No defects noted. Reinstalled plugs. Performed engine run up, no defects noted. I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Josh Kennedy A&P #4653415 12/18/2025 Signature: *Josh Kennedy*

TOTALS—Carry forward to next page

Essential Aviation
N337FB S/N:2843550

Lycoming S/N: L-35819-36A

Tach time:4,162.3 TSMOH: 1,480.6 Date:12/17/2025

Completed annual inspection per FAR part43 appendix D and PA-28-181 M.M. .Researched AD's through ad bi-weekly report 2025-24.

I certify that this engine has been inspected in accordance with Annual per FAR part 43 appendix D and was determined to be in airworthy condition.

Gregory Warton A&P 3807766 IA

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