

N81740

TEXTRON Lycoming

ENGINE LOG

SSP-1872-1


TEXTRON Lycoming

TLRED-489
(Rev. 10-96)

652 Oliver Street
Williamsport, PA 17701 U.S.A.

This engine has been overhauled/rebuilt in accordance with the applicable Textron Lycoming manuals. All applicable Federal Aviation Administration Airworthiness Directives and Textron Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: O-320-D3G
Serial #: L-15689-39A
Total Time: 4075.6
Work Order #: 145653
Date Completed: 1/10/01

Authorized Signature 
Textron Lycoming
652 Oliver Street
Williamsport, PA 17701
Repair Station: EJ1R115K

Serial No.

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
April 3 2001	00	0	Total Time S. NEW. 4075.6 S.M.O.H. 00.0		
14.6 3439.0			Installed this Eng in N81740 Tack Time 2438.0		
			Installed with new eng mount Rubber's and oil cooler		
			Hose's p27e'd 4 Q 2000. Reinstalled same VAC pump S/N		
			and Alternator S/N		
			Alternator mounted on Rt Front of Eng using hyc. pins		
			hw-13039 Bracket, 94323 support, 75-380 links.		
			Airconditioner Compressor and Bracket Removed.		
			Installed new Eng b2FP lin Ser). (Next Page)		
			Page Total		
			Brought Forward		
			Total to Date		

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

Serial No.

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2001 4-27	55	00	Changed oil & filter Replaced w/100w		
June 23	2531	0	S.M.O.H. 93.0 hrs. Conducted a 100hr Annual inspection per Piper form. changed oil & filter, serviced with shell w-100 and ch48110 filter. Replaced vac pump with new allco S/N 25B056		
<p>I CERTIFY THAT THIS <u>Eng</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SIGNATURE <u>Alan Brady</u> DATE <u>June 23, 2001</u> A&P NO. <u>3072969 I.D.</u></p>					
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2001 Sept 8	2647	0	S.M.O.H. 209.0 Conducted a 100hr Inspection per Piper form. cleaned & 62pod plugs. changed oil & filter serviced with shell w100 oil & ch48110 filter. C.C. 179 279 379 479		
<p>I CERTIFY THAT THIS <u>Eng</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>100hr</u> INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SIGNATURE <u>Alan Brady</u> DATE <u>Sept 8, 2001</u> A&P NO. <u>3072969 I.D.</u></p>					
Oct 10	2698		changed oil & filter Richard Wren		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
Nov 30	27	46	5-M.O.H. 300.0 conducted a 100 hr inspection per Piper Form. cleaned & gaped spark plugs, changed oil & filter, serviced with shell 30 and ch 48110 filter. cleaned primer nozzles. Repaired #4 belt plug. set tension on Alternator belt. C.C. 1.732. 773. 774. 73		
			I CERTIFY THAT THIS <u>Eng</u> HAS BEEN		
			INSPECTED IN ACCORDANCE WITH		
			(N) <u>100 hr</u> INSPECTION, AND WAS		
			DETERMINED TO BE IN AIRWORTHY CONDITION		
			SIGNATURE: <u>Alan Liakka</u> DATE: <u>Nov 30, 2001</u>		
			MP NO. <u>2072962 F-11</u>		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2/5/02	28	00	changed oil + filter Richard Wain		
March 12, 2002	28	48	5-M.O.H. 410.0 conducted a 100 hr Annual inspection. changed oil and filter, serviced with shell wsc and ch 48110 filter. cleaned & gaped spark plugs. C.C. 1.732. 783. 774. 77		
			I CERTIFY THAT THIS <u>Eng</u> HAS BEEN		
			INSPECTED IN ACCORDANCE WITH		
			(N) <u>Annual</u> INSPECTION, AND WAS		
			DETERMINED TO BE IN AIRWORTHY CONDITION		
			SIGNATURE: <u>Alan Liakka</u> DATE: <u>March 12, 2002</u>		
			MP NO. <u>2072962 F-11</u>		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
5/12/02	2106		changed oil & filter (Waco tech 2106)	Alan Bailey	JA 2022943
June 17	2948.0		conducted a 100 hr inspection per Piper Form. changed oil & filter		
Total	510.0		serviced with shell w100 and ch48110 filter. cleaned 2 Gap'd plugs. c.c. 175 2.77 3.76 4.75		
<p>I CERTIFY THAT THIS Eng. <u>Alan Bailey</u> HAS BEEN INSPECTED IN ACCORDANCE WITH (100) <u>100 hr</u> INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SIGNATURE: <u>Alan Bailey</u> DATE: <u>June 17, 02</u> APP NO: <u>2022943 I.A.</u></p>					
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
Aug 4, 02	3043	0	Total S.M.O.H. 605.0 conducted a 100 hr Annual inspection per Piper Form. changed oil & filter. serviced with shell w100 oil and ch48110 filter cleaned 2 Gap'd spark plugs. c/w 500 hr mag ck. Renewed both mag's cleaned lub'd. Replaced points in 1st mag. set E Gap's, Installed on Eng. Time to Eng. Ran Eng. cld chk.		
<p>I CERTIFY THAT THIS Eng. <u>Alan Bailey</u> HAS BEEN INSPECTED IN ACCORDANCE WITH (100) <u>Annual</u> INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SIGNATURE: <u>Alan Bailey</u> DATE: <u>Aug 4, 2002</u> APP NO: <u>2022943 I.A.</u></p>					
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2002 10-31-02	3	134	100 Hour Inspection completed on this date. All controls lubed and checked for proper operations. Drained Oil, sample taken		
SIMIO H. T.I. AC	6	16	cut open and inspected old oil Filter, no metal particle found. Installed a New CH43110 Oil Filter and serviced engine with 8 qts of Castrol 15W50 Oil. Installed New Valve cover Gaskets P/N 75906 on #1 and #2 cyls. Washed Engine, run up ops check O.K. checked Kv leaks. None Found. KD's checked thru 2002-21		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
			100 Hour Inspection completed on this date. All controls lubed and checked for proper operations. Drained Oil, sample taken		
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			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

Date 10-31-02 Total Aircraft Time 6473.1
 I certify this Engine has been inspected in accordance with a 100 Hour inspection and was determined to be in airworthy condition.

Lawrence M. Guarino AIP 14864E5771A

THIS Engine HAS BEEN INSPECTED IAW AN Annual INSPECTION. ALL WORK WAS ACCOMPLISHED USING THE MANUFACTURERS SERVICE MANUALS AND OR CHECK-LISTS AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. DATE 11-1-02 TACH 3134.6 TOTAL TIME 6473.1
 KEITH GUARINO AIP 14864E5771A Keith Guarino

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
5/20/03	30	30.0	TACH, 792.0 SMCH 6568.5 TIA/C 4967.6 TIE 100 hr inspection. Service w/ Kervell 15450 to 89th. Replace all spark plugs. Wash engine. Run up - OK. No leaks found.		
<p>Engine - drained oil, checked oil levels, checked spark plugs, checked compression = 162 #273 = 37H #467 = 5X #6X checked fuel system, drained sumps, checked starter and generator brushes, checked maps & timed properly, checked prop for leaks and green functionally checked engine.</p> <p>Date <u>5/20/03</u> Total Aircraft Time <u>6568.5</u> I certify this <u>ENGINE</u> has been inspected in accordance with <u>100</u> min Inspection and was determined to be in airworthy condition.</p> <p><i>Keith Guarino</i></p>					
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
5/20/03	32	30.0	TACH, 792.0 SMCH, 6568.5 TIA/C 4967.6 TIE		
<p>THIS <u>ENGINE</u> HAS BEEN INSPECTED IAW A <u>100</u> MIN INSPECTION. ALL WORK WAS ACCOMPLISHED USING THE MANUFACTURERS SERVICE MANUALS AND OR CHECK- LISTS AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. DATE <u>5/20/03</u> TACH <u>3230.0</u> TOTAL TIME <u>6568.5</u> KEITH GUARINO A&P <u>2743 TIE</u> <i>Keith Guarino</i></p>					
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
5-22-2003	3230	7	Pilot reported that during take-off the engine started to run rough, check magnetos timing, Replace #1 cyl. with a serviceable assembly due to low compression install ① new S4 75906 Valve cover gasket, ② New 62869 Cyl. Base O-Ring, ③ New 4W-18661 Push-Rod tube seal and ④ new F1973 Intake Lister Gasket, Worked engine, Run-up & check O.K., Rechecked comp. Pres @ 71 psi. Work done I.R.W. MFG. Service Manual.		
			Lawrence McKenzie ATP Z66918701		
			Page Total		
			Brought Forward		
			Total to Date		

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
8/29/03	3330	2	TAC 100 hr insp completed. Service of Aeroshell 150 50 to 8 qts. Worked engine. Run-up OK Check for leaks		
892.2	54	1	None found		
			Engine - Drained oil, cleared screens, checked & cleaned spark plugs, checked compression #1 72 #2 75 #3 74 #4 75 #5 X #6 X checked fuel system, drained sumps, checked starter and generator brushes, checked mags and timed properly, checked prop for leaks and grease functionally checked engine.		
			Date 8/27/03 Total Aircraft Time 6668.7		
			I certify this <u>Engine</u> has been inspected in accordance with a <u>100 hr</u> inspection and was determined to be in airworthy condition.		
			Richard A. P. 13648117		
			THIS <u>Engine</u> HAS BEEN INSPECTED & A W		
			A <u>ANNUAL</u> INSPECTION ALL WORK WAS ACCOMPLISHED USING THE MANUFACTURERS SERVICE MANUALS AND OR CHECKLISTS.		
			AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION		
			All Repair Data Must Bear the Endorsement of a		
			Certificated Mechanic, and his Rating and		
			Certificate Number MUST be Shown		
			KEITH GUARINO ATP Z631161A		
			Page Total		
			Brought Forward		
			Total to Date		

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
1/6/04			3421.4 TACH 983.8 SHOH Annual insp completed. Service w/ Aeroshell 15W50 to 8 qts. Washed engine. Run up OK. Check for leaks none found.		
			checked spark plugs checked compression #1 73 2 74 #3 72 #4 73 #5 7 #6 7 checked fuel system, drained sumps, checked oil and changed oil, checked mag and checked properly, checked prop for leaks and grease lubricated engine.		
			THIS ENGINE HAS BEEN INSPECTED IAW A 100 HOUR INSPECTION ALL WORK WAS ACCOMPLISHED USING THE MANUFACTURERS SERVICE MANUALS AND OR CHECKLISTS AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION DATE 1/6/04 TACH 3421.4 TOTAL TIME 6760.3 KEITH GUARINO A&P 2743708 IA <i>Keith Guarino</i>		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

N81740, Piper, PA28-161, S/N 28-8216130
3521.4 Tach, 6859.9 Total Time
October 4, 2004

100 Hour Inspection completed.

ENGINE:

Drained oil, serviced with Aeroshell 15W-50 to 8 qts.
Washed engine. Run up - OK Checked for leaks, none found.

Compressions #1 - 70, #2 - 74, #3 - 72, #4 - 73

ENGINE:

Drained oil, cleaned screens changed filter. Checked and cleaned spark plugs. Checked fuel system, drained sumps, cleaned fuel bowl screen. Checked starter and generator / alternator, wiring and mounting. Checked magnetos and magneto timing. Checked exhaust system for condition and security. Engine run up and checked for leaks.

This ENGINE has been inspected in accordance with a 100 HOUR INSPECTION
All work was accomplished using Manufactures Service Manuals and/or checklists, and was found to be in an
AIRWORTHY CONDITION

October 4, 2004, 3521.4 Tach, 6859.9 Total Time

Luigi Rondon

Luigi Rondon A&P 123847234

N81740, Piper, PA28-161, S/N 28-8216130
3739.9 Tach, 7078.4 Total Time A/F, 1183.4 SMOH
July 15, 2005

100 Hour Inspection completed.

ENGINE:

Drained oil, serviced with Aeroshell 15W-50 to 8 qts.
Replaced both mufflers with overhauled mufflers, see FAA form 8130-3 attached. Replaced alternator belt. Replaced valve cover gaskets.
Washed engine. Run up. OK. Checked for leaks, none found.

Compressions: #1 - 74, #2 - 78, #3 - 76, #4 - 78

ENGINE:

Drained oil, cleaned screens changed filter. Checked and cleaned spark plugs. Checked fuel system, drained sumps, cleaned fuel bowl screen. Checked starter and generator / alternator, wiring and mounting. Checked magnetos and magneto timing. Checked exhaust system for condition and security. Engine run up and checked for leaks.

This ENGINE has been inspected in accordance with an ANNUAL INSPECTION.
All work was accomplished using Manufacturers Service Manuals and/or checklists, and was found to be in an
AIRWORTHY CONDITION

July 15, 2005, 3739.9 Tach, 7078.4 Total Time

Peter Vajsabel A&P 136481117 FA
Peter Vajsabel A&P 136481117IA

N81740 Manufacturer: PIPER Model # PA28-161 Serial: 28-8216130 Date: 11/7/05 Work order: 2920

Airframe time: 7112.8 Tach time: 3774.3 Hobbs time: 376.9 Engine time: 5411.9 Propeller time: 1336.3

PERFORMED A 50-HOUR ENGINE INSPECTION IN ACCORDANCE WITH PIPER PA28-161 INSPECTION GUIDELINES. DRAINED OIL. REMOVED, INSPECTED AND REPLACED OIL FILTER. SERVICED ENGINE WITH 8 QTS 20W/50 OIL. GROUND RAN ENGINE AND LEAK CHECKED. NO LEAKS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 50 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. ENGINE APPROVED FOR RETURN TO SERVICE.

NIMROD SANTOS

AP 583875137

N81740 Manufacturer: PIPER Model # PA28-161 Serial: 28-8216130 Date: 12/15/05 Work order: 2929

Airframe time: 7117.8 Tach time: 3779.3 Hobbs time: 83.8 Engine time: 5416.9 Propeller time: 1341.3

INSTALLED THE FOLLOWING NEW PARTS: ALTERNATOR SUPPORT CHANNEL ASSY P/N: 79886-003, ALT. SUPPORT ARM ASSY, P/N: 79886-004 AND P/N: 79886-007, CAPACITOR P/N: 63897-006, LEFT FRONT BAFFLE CLIP P/N: 99580-00, ALT. DRIVE PULLEY, P/N: PU692A, ALT. BELT P/N: 73995-009, BRACKET ASSY P/N: 79584-08, (2) BOLTS P/N: AN4-14A, (4) MS20074-05-05. GROUND RUN UP OPS CHECK OK IAW PIPER MM SEC 8 & 11

I CERTIFY THAT THE WORK LISTED ABOVE WAS PERFORMED IAW CURRENT FAA REGULATIONS. AIRCRAFT IS RELEASED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED ABOVE.

LAURENCE MCKENZIE

AP 3039316

A&P 1364811171A

N81740 Manufacturer: PIPER Model # PA28-161 Serial 28-8216130 Date 9/25/06 Work order 3144
Airframe time 7307.9 Tach time 3969.4 Hobbs time 631.4 Engine time 5618.8 Propeller time 1543.2

Performed a 50-Hour Engine Inspection in accordance with Piper PA28-161 Inspection Guidelines

D Drained oil. Removed, inspected and replaced oil filter. Serviced engine with 8 qts 20w/50 oil. Ground ran engine and leak checked. No leaks noted.

I certify that this Engine has been inspected in accordance with a 50-Hour Inspection and was determined to be in Airworthy Condition. Engine approved for return to service.

Laurence McKenzie



A&P 3039316

ENGINE LOG

January 6, 2017 N81740 Tach Time 4367.7

WORK ORDER # 20863

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

Alex Pucciariello AP 2769252

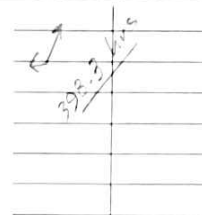
Engine Differential Compression Test

1	2	3	4
77	76	64	71
80	80	80	80

SYREK-MEE AVIATION, INC.

182 Pension Rd. Hangar A41, Englishtown, NJ 07726

732-792-0220



resegment of a
ig and
n.

SAM

531 FOX HOLLOW DRIVE

HUDSON, NH 03051

P: (603) 508-0458

ENGINE LOG

LYCOMING

M/N O-320-D3G S/N L-15689-39A

TACH 4382.7 TSO 1944.7 TT 6020.3

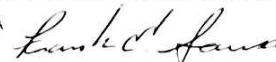
October 5, 2020

CW ANNUAL ENGINE INSPECTION IAW 14CFR 43 APPENDIX D - PERFORMED DIFFERENTIAL COMPRESSION CHECK (1/74, 2/75, 3/65, 4/76) - CHECKED FOR ENGINE AND EXHAUST PROBLEMS - CHANGED OIL (7x PHILLIPS XC 20W50) AND FILTER (AA48110-2) - OPENED OLD FILTER AND INSPECTED FOR DEBRIS - INSTALLED SPARK PLUGS (8x UREM40E) - CLEANED, INSPECTED, TESTED AND REINSTALLED FUEL PRIMERS - CHECKED ENGINE CONTROLS TRAVEL - INSPECTED ALTERNATOR, STARTER AND OTHER ACCESSORIES FOR SECURITY AND INSTALLATION - INSPECTED CARBURETOR (DRAINED TO CHECK FOR VOLUME/DEBRIS) - REPAIRED INOPERATIVE ACCELERATOR PUMP (REMOVED CARB AND CLEANED PASSAGES - REINSTALLED CARB) - INSPECTED CARBURETOR AIR BOX AND TESTED FOR CONDITION AND INSTALLATION (ADJUSTED AIR BOX HEAT CABLE CONTROL) - PERFORMED 500 HOUR SERVICE ON LEFT MAG SLICK M/N 4371, S/N 08110796 (ALL PARTS CLEANED AND REUSED) - PERFORMED 500 HOUR SERVICE ON RIGHT SLICK MAG M/N 4370, (INSTALLED NEW A-13081 CONTACT KIT, SERVICEABLE BLOCK AND ROTOR (K3822), ALL OTHER PARTS CLEANED AND REUSED) - TIMED BOTH MAGS TO ENGINE - RAN ENGINE & CHECKED FOR CORRECT OPERATION AND LEAKS - END

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS AIRWORTHY

FRANK E SOUSA

IA3138353AP



MAGS 4882

West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Make: Lycoming
Model: O-320-D3G
Tail: N81740
S/N: L-15689-39A

Date

Hours: Tach 4558.3 EngTT 6195.9 SMOH 2120.3

Completed a 100 hour inspection IAW FAR 43 Appendix D using PA-28-161 AMM for reference. No AD's found due at this time. Cleaned, tested, rotated top to bottom, and reinstalled spark plugs using new gaskets p/n M674. Drained engine oil. Removed, cut open, and inspected engine oil filter element. Installed new filter p/n CH48110-1 and added 7 qts X/C20W50. Replaced rocker box covers p/n G-8179-HD. Repaired carb heat airbox installing new flapper shaft grommets. Removed 2 spacers behind oil pressure relief valve spring. Run-up/leak check completed. All work done IAW PA-28-161 AMM and AC 43 13-1b. I certify this engine has been inspected IAW a 100 hour inspection and determined to be in airworthy condition.

Signed:

Name: Justin Date



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Cert. Mechanic: 4391662
A&P

Date: 09/04/2021

Make: Lycoming
Model: O-320-D3G
Tail: N81740
S/N: L-15689-39A

Hours: Tach 4598.4

Drained engine oil. Added 6 qts X/C 20W50. Runup/leak check completed.

Signed:

Name: Justin Date

Total to Date

Cert. Mechanic: 4391662
A&P

Date: 09/23/2021

West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
1913/0245/0

Make: Lycoming
Model: O-320-D3G
Tail: N81740
S/N: L-15689-39A

Hours: Tach 4648.9 EngTT 6286.5 SMOH 2210.9

Completed 100 hour inspection IAW FAR 43 Appendix D referencing PA-28-161 AMM 100 hour inspection report. CW AD 17-14-04 Oil Cooler Hoses by visual inspection. No further AD's found due. Replaced LH & RH magneto leads p/n 12304-33. Differential compression check as follows: 74, 77, 76, 78/80. Drained engine oil, cut open and inspected engine oil filter element. Installed new oil filter p/n CH48110-1 and added 7 qts X/C20W50. Welded crack #4 exhaust near top flange. Replaced exhaust gaskets p/n 77611. Replaced #2, #4 intake gaskets p/n 71973. Cleaned, inspected, tested, reinstalled spark plugs using new gaskets p/n M674. Ops check completed. Work done IAW PA-28-161 AMM and AC 43 13-1b. I certify this engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

Signed:

Name: Justin Date

Cert. Mechanic: 4391662 AP

Date: 10/28/2021

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

Signed:

Name: Adam Dreyke

Cert. Mechanic: 39655131A

Date: 10/28/2021

Page Total

Brought Forward

Total to Date

All Repair Data Must Bear the Endorsement of a
Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
9137024570

Make: Lycoming
Model: O-320-J3G
Tail: Installed on N281KC
S/N: L-15689-39A

License
Number

Date

Hours: Tach 4692.4

Drained engine oil. Removed and replaced engine oil filter P/N CH48110-1. Added 7Q's Phillips X/C 20W-50.
Performed ops check. All work done in accordance with Piper PA-28-161 AMM.

Landon Reeder

Signed

Name: Justin Pale

Cert. Mechanic 4391662 AP
Date: 11/17/2021



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
9137024570

Make: Piper Lycoming
Model: PA-28-161 O-320-J3G
Tail: N281KC
S/N: 28-8216130 L-15689-39A

Hours: Tach 4736.9 EngTT 6374.5 SMOH 2298.9

Completed 100 hour inspection IAW FAR 43 Appendix D referencing PA-28-161 AMM. No AD's found due. Drained engine oil, removed, cut open, inspected engine oil filter element. Added 7 qts X/C20W50 and installed new oil filter p/n CH48110-1. Differential compression check as follows: 7/8, 7/8, 7/8, 7/4/80. Tightened throttle control arm and installed new cotter pin. Cleaned, inspected, tested, and reinstalled spark plugs w/ new gaskets p/n M674. I certify this engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

Signed

Name: Justin Pale

Cert. Mechanic 4391662 AP
Date: 12/17/2021



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
9137024570

Make: Lycoming
Model: O-320-J3G
Tail: Installed on N281KC
S/N: L-15689-39A

DATE

Hours: Tach
4776.0

Drained engine oil. Added 7qts Phillips 66 20w50 engine oil. performed ops check. All work done in accordance with Piper PA-28-161 AMM.

Landon Reeder

Signed

Name: Justin Pale

Cert. Mechanic 4391662 AP
Date: 01/03/2022

Engine Maintenance Log



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Lycoming
Model: O-320-D3G
Tail: N281KC
S/N: L-15689-39A

Hours: Tach: 4822 2 EngTT: 6459 8 SMOH: 2384 2

Completed 100 hour inspection IAW FAR 43 Appendix D referencing PA-28-161 AMM

1. No AD's found due.
2. Differential compression check as follows: 80, 79, 80, 79/80.
3. Added 7 qts X/C20W50.
4. Replaced engine oil filter p/n CH48110-1.
5. Rotated spark plugs top to bottom.

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

Signed:

Name: Justin Pate

Cert: Mechanic: 4391662 AP

Date: 02/09/2022

3/14/22 Tach: 2028.8
Removed Magneto P/N 4371 S/N 98070438 & Replaced with
Serviceable 4371 mag S/N C4051123 A/P 3965513 Adam Pate



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N281KC
S/N: 28-8216130

Hours: TT 4909 1 EngTT: 6546 7

Performed 100 hour inspection IAW FAR 43 app. D Compressions 1 78/80 2 80/80 3 79/80 4 80/80 Drained oil, cut open filter no metal found. installed new filter p/n CH48110-1 serviced sump with 7 qts. of X/C 20W50 no applicable AD's due at this time. I certify this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition.

Signed:

Name: Adam Piepke

Cert: Mechanic: 3965513 AP
IA

Date: 04/21/2022



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N281KC
S/N: 28-8216130

Hours: AC: 8327 3 TT 4988 8 EngTT 6626 4 PropTT 2553 4 Hobbs Misc SMOH 2550 8

Performed 100 hour inspection IAW FAR 43 app. D compressions 1 74/80 2 80/80 3 80/80 4 80/80 Drained oil, cut open filter no metal found. installed new filter p/n CH48110-1. serviced sump with 7 qts. of X/C 20W50 no applicable AD's due at this time. During first compression check cylinder one had exhaust leak causing compression to fall out of limits. replaced cylinder one with serviceable cylinder. replaced piston, piston pin, piston rings, piston plug with following p/n's (piston) SL75089A, (ring set) SL5401-SC, (piston plugs) 72198, (piston pin) LW-14078 (Gasket set) SL12032-SC. Work done with reference to Lycoming O-320 overhaul manual. Replaced lower right engine mount bushing p/n 475-124. I certify this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition.

Signed:

Name: Logan Baker

Cert: Mechanic: 4638550 P

Date: 05/26/2022

Engine Maintenance Log



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N281KC
S/N: 28-8216130

Hours: Tach: 5073.1 ESMOH:168.9 TTSN:4154.1

installed this engine on N281KC with engine driven fuel pump from previous engine. w/ new carburetor p/n 10-5217 s/n ms0x4x03

completed an annual inspection IAW FAR 43 app. D No AD's due at this time. flushed engine with mineral spirits, cut open oil filter, no metal noted. installed new CH 48110-1 filter. serviced sump with 7 qts. of X/C 20W/50. Removed #1 cylinder due to low compression. replaced with new cylinder from kit p/n sl32006w-a21p. compressions : 78/80 2.72/80 3/76/80 4.76/80. i certify this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition.

Signed:

Name: Adam Piepke

Cert: Mechanic: 3965513 AP
IA

Date: 07/12/2022



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N281KC
S/N: 28-8216130

Hours: AC: 8,498.1 TT: 5,159.6 EngTT: 4240.6 TSMO:255.4 PropTT: 2724.2 Hobbs: 139.1 Misc.

Performed 100 hour inspection IAW FAR 43 app. D using Piper PA-28-161 AMM as reference. Compressions 1:79/80 2:79/80 3:73/80 4:70/80. Drained engine oil. Cut open engine oil filter, no metal found. Installed new filter P/N AA48110-2 serviced sump with 7 qts Phillips 66 X/C 20W50. No applicable AD's due at this time. I Certify this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition.

Signed:

Name: Logan Baker

Cert: Mechanic: 4638550 P
Date: 10/26/2022

10/27/2022. N281KC, Lycoming O-320-E3G. SN: L-15689-39A, TTE: 4240.6, SMOH: 255.4, TACH: 5159.6, HOBBS: 139.1. This engine was inspected IAW an Annual Inspection as per FAR 43, Appendix D and using Piper PA-28-161 AMM as a guide. All AD's are current up through FAA Biweekly 2022-22, 10/10/2022-10/23/2022. I certify that this engine has been inspected IAW an Annual Inspection and has been determined to be in airworthy condition and is approved for return to service. -----END----- William A. Latham, Jr.
AP3557002IA

WEST West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
9137024570

Make: Piper
Model: PA-28-161
Tail: N281KC
S/N: 28-5216130

Hours: AC 5059.6 TT: EngTT: PropTT: Hobbs: Misc:

Engine showing low oil pressure. After diagnostics found that a rag had been left in oil sump by overhaul shop. removed rag and inspected for FOD removed and replaced P/N 61174 Lycoming Oil Pump Drive Shaft. Ran engine and regained correct and consistent oil pressure.

Signed:

Name: Adam Piepke

Cert: Mechanic 3965513 AP
IA

Date: 08/30/2022

Created 02/20/2023 Lycoming O-320-D3G S/N L-15689-39A Engine
1 Tach 5251.30 TTIS 6888.90 TSOH 2813.30

Completed 100-hour inspection IAW FAR 43 Appendix D referencing PA-28-161 AMM. No AD's found due. Differential compression check as follows. 1: 76/80 2: 73/80, 3: 74/80, 4: 79/80. Drained engine oil removed and cut open oil filter. No metal found. Replaced oil filter P/N AA48110-2. Added 7qts of Aeroshell W80 engine oil. I certify this engine has been inspected in accordance with a 100-hour inspection and determined to be in airworthy condition.

Josh Kennedy # 4653415 Date: 2/20/23

Signature:

Created 04/11/2023 Lycoming O-320-D3G S/N L-15689-39A Engine 1 Tach
5344.00 TTIS 6981.60 ET SOH 439.8

Completed a 100HR inspection IAW FAR 43 app. D with reference to Piper PA-28-161 AMM. No applicable AD's due at this time. Compressions #1 73/80 #2 74/80 #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 W100. Removed LH magneto P/N 4371 S/N 04051123 and replaced LH magneto with P/N 4371 S/N H-X030047. Removed RH magneto P/N 4370 S/N 05083071 and replaced RH magneto with P/N 4370 S/N Q-W100071. Resealed electrical pass through at firewall. Replaced front carb heat bushing P/N 453-991 and grommet P/N MS35189-41.

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: 4/11/23

Signature:

Engine Maintenance

Engine
100 HR & Annual
NO A.D's

KC

Created 05/24/2023 Lycoming O-320-D3G S/N RL-18765-39E

Engine 1 Tach 5427.10 TTIS 4506.70 TSOH 521.50

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-161 AMM. No applicable AD's due at this time. Compressions #1 76/80 #2 73/80 #3 75/80 #4 75/80. 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. Fabricated new oil cooler/ #1 cyl baffle. Replaced leaking #1, #2 and #4 cyl rocker box gaskets P/N SL75906. Replaced Carb heat bushings and grommet on front and rear of carb heat box bushing P/N 453-991, grommet P/N MS35489-41.

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: 5/24/23 Signature: 

KC

Created 11/13/2023 Lycoming O-320-D3G S/N RL-18765-39E Engine 1 Tach 5525.10

TTIS 4604.70 TSOH 619.50


Completed annual/ 100 Hour inspection as per FAR part 43 appendix D and referencing PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2023-23. Compressions #1 66/80 #2 70/80 #3 62/80 #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. Replaced #2 rocker box gasket w/new P/N 08-01314. I certify that this engine has been inspected in accordance with an annual/ 100 hour inspection and was determined to be in airworthy condition.

Gregory Warton # 3807766 A&P IA Date: 11/13/23 Signature: 

KC

Created 01/30/2024 Lycoming O-320-D3G S/N RL-18765-39E Engine 1 Tach 5614.60 TTIS 4694.20 TSOH 709.00

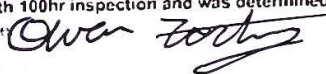
Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA 28-161 AMM. No applicable AD's due at this time. Compressions #1 72/80 #2 68/80 #3 78/80 #4 66/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of aeroshell W80. Fabricated new oil cooler/ #4 cyl baffle. Replaced leaking #3 cyl rocker box gaskets P/N SL75906. Replaced leaking #2 and #3 replaced gasket P/NSL71973. Removed starter P/N 31A22102. S/N C2P-190005. Replaced starter P/N 149-12XLT per PA-28-161 AMM, CH 10 section 11-70 removed and replaced starter solenoid P/N STG-S24. S/N 80y83734. Researched AD's through bi-weekly report 2024-02. I certify that this engine has been inspected in accordance with 100 Hr inspection and was determined to be in airworthy condition.

Josh Kennedy A&P#4653415 Date 1/30/24 Signature: 

KC

Created 03/14/2024 Lycoming O-320-D3G S/N RL-18765-39E Engine 1 Tach 5691.80 TTIS 4771.40 TSOH

785.20
Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-161 AMM. Researched AD's through bi-weekly report 2024-05, 02/26/2024-03/10/2024. No applicable AD's due at this time. Compressions #1 63/80 #2 61/80 #3 72/80 #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. Replaced leaking #1 and #4 cyl rocker box gaskets P/N SL75906. Replaced leaking #1 and #4 replaced gasket P/NSL71973. I certify that this engine has been inspected in accordance with 100 Hr inspection and was determined to be in airworthy condition. I certify that this engine has been inspected in accordance with 100hr inspection and was determined to be in airworthy condition.

Owen Fortney # PPL A&P 4429081 Date: 3/14/24 Signature: 

Engine Maintenance Log

KC

862.60

Created 05/07/2024 Lycoming O-320-D3G S/N RL-18765-39E Engine 1 Tach 5788.20 TTIS 4867.80 TSOH

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-26-161 AMM. Researched AD's through bi-weekly report 2024-03, 04 22/2024-05/05/2024. No applicable AD's due at this time. Compressions #1 70/80 #2 66/80 #3 74/80 #4 70/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA18110-2 and serviced oil sump with 7qts of aeroshell W100. I certify that this engine has been inspected in accordance with 100 Hour inspection and was determined to be in airworthy condition.

Owen Fortney # A&P 4429081 Date 5/7/24 Signature:

Owen Fortney

Created 05/06/2024 Lycoming O-320-D3G S/N RL-18765-39E Engine Tach 5867.7 TTIS 4943.4 TSOH 963.2

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-161 AMM. Researched AD's through bi-weekly report 2024-11, 05/20/2024-06/02/2024. No applicable AD's due at this time. Compressions #1 79/80 #2 70/80 #3 67/80 #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. Removed and replaced engine driven fuel pump P/N: LW-15472 IAW lycoming Installation manual O-320-D3G. Ops Check and Leak check good.

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

Owen Fortney # A&P 4429081 Date 6/6/24 Signature:

Owen Fortney

KC

Created 06/08/2024 Lycoming O-320-D3G S/N RL-18765-39E Engine 1 Tach 5833.60 TTIS 4952.20 TSOH 967.00

Removed and LH Magneto S/N H-X030047. P/N 4371 and replaced it with new Magneto S/N J-10477 P/N 4371. per Lycoming overhaul Manual Section 4. Removed and replaced Spark plugs on cylinder 2-3 bottom and cylinder 1-2 top. P/N UREM40E.

Josh Kennedy A&P#4653415 Date 6/8/24 Signature:

Josh Kennedy

KC

Created 06/10/2024 Lycoming O-320-D3G S/N RL-18765-39E Engine 1 Tach 5833.60 TTIS 4913.20 TSOH 928.00

Removed and replaced 4 Spark plugs cylinder 2-3 top and cylinder 1-4 bottom. P/N UREM40E.

Josh Kennedy A&P#4653415 Date 6/10/24 Signature:

Josh Kennedy

KILO CHARLIE
AVIATION

Created 06/14/2024 Lycoming O-320-D3G S/N RL-18765-39E Tach 5895.2

Replaced #1 cylinder lower spark plug with new UREM 40 spark plug.

Landon Reeder A&P 4369883 Date: 6/14/24 Signature:

Landon Reeder

Created: Fri, 07/19/24 Model: O-320-D3G S/N: RL-18769-39E

TACH: 5964.9 TTIS: 5046.3 TSOH: 1061.1

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151/161 AMM 5-20-00. Researched AD's through bi-weekly report 2024-14. No applicable AD's due at this time. Compressions #1 78/80 #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. Shimmed and re-safied alternator support bracket. Cleaned, gapped, inspected and tested spark plugs. I certify that this engine has been inspected in accordance with a 100 HR inspection and has been determined to be in airworthy condition.

Logan Baker P #4638550 Date: Fri, 07/19/24 Signature:

Logan Baker

Created Fri, 09/06/24 Model O 320 D3G S/N: RL 18769 39E TACH: 6065.0 TTIS: 5146.3 TSOH: 1161.1



Warmed engine for oil change and compression testing. #1 77/80 #2 75/80 #3 77/80 #4 77/80 Spark plugs removed for cleaning, gapping, inspection, and reinstalled. Magneto timing checked. Inspected engine for security of wiring and cable routing. Engine controls operationally inspected for security and lubricated. Oil drained and replaced with 7 qts of AeroShell W100 oil. Oil filter cut and inspected, no abnormalities noted. New Tempest AA48110-2 filter installed and safety wired. Engine inspected and washed down with mineral spirits. This aircraft has been inspected IAW FAR 43 app. D with reference to Piper PA-28-161 AMM 5-20-00. ADs Researched through bi-weekly report 2024-17. 08/12/2024 08/25/2024. No applicable AD's due at this time. I certify that this engine has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition.

Dwayne Komcek AP 2060898 IA 9/6/2024

Created Fri, 10/18/24 Model O 320 D3G S/N: RL-18769-39E

TACH: 6163.3 TTIS: 5216.5 TSOH: 1231.3

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151/161 AMM 5-20-00. Researched AD's through bi-weekly report 2024-20. No applicable AD's due at this time. Drained engine oil. Removed, cut open, and inspected engine oil filter. No defects noted. Installed new engine oil filter P/N AA48110-2. Serviced engine oil sump with 7qts Aeroshell W80. Replaced cyl #1 upper spark plug with new plug P/N UREM40L. Replaced electric fuel pump gasket with new gasket P/N 674PK. Replaced gascaltor gasket with new gasket P/N 462-049.

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

Landon Reeder A&P #4369883 Date: Fri, 10/18/24 Signature

Created Fri, 11/22/24 Aircraft Registration Number: N281KC Model: O 320 D3G S/N: RL-18769 39E

TACH: 6216.0 TTIS: 5268.2 TSOH: 1283.0

After carburetor fire removed engine cowling. Cleaned engine and cowling of fire extinguishing agent. Performed visual inspection of carburetor and surrounding assemblies/ parts and areas. No defects noted. Replaced air filter P/N BA-16. Performed engine test run. Operational check satisfactory.

Logan Baker A&P #4638550 Date: Fri, 11/22/24 Signature

01/21/25 Model: O-320-D3G S/N: RL-18769-39E TACH: 6225.3 TTIS: 5278.5 TSOH: 1292.3

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151/161 AMM 5-20-00. Researched AD's through bi-weekly report 2025-01. No applicable AD's due at this time. Drained engine oil. Removed, cut open, and inspected engine oil filter. No defects noted. Installed new engine oil filter P/N AA48110-2. Serviced engine oil sump with 7qts Aeroshell W80. Replaced cyl #1 and 4 intake gasket P/N 71973. Replaced #3 rocker box gasket P/N 75906-5. I certify that this engine has been inspected in accordance with 100 Hour and has been determined to be in an airworthy condition.

Josh Kennedy A&P 4653415 01/21/25

Essential Aviation

N281KC S/N1063/US

Lycoming S/N: RL-18769-39E

Tach time: 6225.3 TSMOH: 1292.3 01/02/2025

Completed annual inspection per FAR part 43 appendix D and PA-28-161 M.M. Researched AD's through ad bi-weekly report 2024-26.

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



Created 03/28/2025 Aircraft Registration Number: N281KC Make: Lycoming
Model: O-320-D3G S/N: RL-18769-39E TT: 6241.30 TTIS: 6241.30 TSOH: 6241.30

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151/161 AMM 5-20-00 and Lycoming O-320 MM. Researched AD's through bi-weekly report 2025-06. No applicable AD's due at this time. Compressions #1 73/80 #2 77/80 #3 75/80 #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. 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: 3/28/25 Signature: