



The Standard

ENGINE LOG

ASA-SE-2

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

Tags PGH 10013



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Sept 14, 2006, Tach Time 2599.2 Engine "0" hrs SMOH. Installed engine serial no RL-14948-39A in N3574C. Installed new lord mounts part no. J-9613-40 and J-9613-53, 2 each, installed overhauled Rapco vacuum pump, serial no 123816, installed overhauled carburetor supplied by engine overhaul facility, and installed new firesleaved hoses on all oil and fuel lines. Serviced engine with 7 qts Aeroshell 100 non-detergent oil at this time. Installed new SCAT tubing on all locations on engine. Engine ground run-up normal at this time. Scott A Petersen A&P 506909398 Scott A Petersen

Sept 14, 2006 Tach 2600.79 Engine SMOH 1.59 100 hr Inspection completed
His date Scott A Petersen A&P 506909398

FAA Certified
Repair Station
X1AR676H



515-965-1020
3700 SE Convenience Blvd
Ankeny, Iowa 50021
WO# 02341

2 Oct.06 Lycoming O-320-B3G, S/N RL-14948-39A. Aircraft Tach 2606.35. Removed this Engine from Piper PA-28-161, S/N 28-8016200, N3574C to comply with Lycoming AD 2004-10-14C eff.25 Jun. 04 and Lycoming MSB 475C dated 30 Jan.03.

Michael J. Lossner
FAA CRS X1AR676H

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MAKE Lycoming MODEL O-320-D3G S/N RL-14948-39A
 Total Time 1857 Time Since Major Overhaul 7.35 Hours

The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. (As detailed below) Pertinent details of repair are on file at this repair station under:

Work Order # 346 Date 11/6/2006

Engine disassembled, cleaned, and inspected due to propeller strike, in accordance with Lycoming SB533A. Reinstalled magnetos: right P/N 4370 S/N 06050691 and left P/N 4371 S/N 06050575, each of which received a 500-hour inspection by Poplar Grove Airmotive, Inc. AD 04-10-14 C/W IAW Lycoming SB475A--next due at overhaul, sudden stoppage, propeller strike, or gear train repair. AD 98-17-11 C C/W by inspection of crankshaft IAW para. (b). This engine was test run in an FAA approved test cell and meets specifications. -----END-----

Poplar Grove Airmotive, Inc.
 Poplar Grove Airport, Poplar Grove, IL
 FAA Approved Repair Station #YYBR664L
Signature
 Signed for Poplar Grove Airmotive, Inc.

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FAA Certified
 Repair Station
 X1AR676H

Exec Aviation

515-965-1020
 3700 SE Convenience Blvd
 Ankeny, Iowa 50021
 WO# 02341

Engine Logbook Entry

28 Nov.06 Lycoming O-320-B3G, S/N RL-14948-39A. Aircraft Tach 2606.35 TSMOH 7.35 Reinstalled this Engine in Piper PA-28-161, S/N 28-8016200, N3574C after repair by Poplar Grove Airmotive, Inc. Refer to Log Entry dated 11/6/2006 under WO# 346.

The Engine identified above was inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service for the work performed. Pertinent details of this repair are on file at this Repair Station under WO#02341 dated 09/29/06.

Signature
 Michael J. Lossner
 FAA CRS X1AR676H

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Pontiac Flying Service
15755 E 2000 N Rd
Pontiac, IL 61764

Sept. 10, 2008 Tach Time 2874.0 Engine SMOH 279.8 **100 hr. Inspection** completed this date. Compression check as follows: #1 79/80, #2 78/80, #3 78/80, and #4 78/80. Drained engine oil and removed old filter for inspection, no defects noted at this time. Installed new Champion CH48108 oil filter and serviced with 7 qts of AeroShell 15W50 Aviation oil. Cleaned and gapped spark plugs and reinstalled. Inspected exhaust system, heat muff, and cabin heat system at this time. Checked magneto timing and inspected ignition harness for chafing and wear. Lubricated engine controls and inspected for proper travel and operation. All AD's checked thru 2008-18. I certify that this engine has been inspected in accordance with a **100 hr Inspection**, and was determined to be in an airworthy condition at this time. Scott A Petersen A&P506909398

Scott A Petersen

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Pontiac Flying Service
15755 E 2000 N Rd
Pontiac, IL 61764

Feb 4, 2009 Tach Time 2890.6 Engine time SMOH 296.4. **Annual Inspection** completed this date. Compression check as follows: #1 78/80, #2 79/80, #3 77/80 and #4 78/80. Cleaned and gapped spark plugs and reinstalled spark plugs. Checked magneto to engine timing and inspected ignition harness for wear and chafing. Inspected exhaust system and cabin heat system for defects, none noted at this time. Lubricated engine controls and checked for proper travel and freedom of movement. All AD's checked thru 2009-02. I certify that this engine has been inspected in accordance with an **Annual Inspection**, and was determined to be in an airworthy condition at this time. Scott A Petersen IA506909398

Scott A Petersen

June 9, 2009 TACH TIME 2917.82 Engine smot 323.62 Remove existing light weight starter and installed new Sky-Tec Model 149-12LS starter per Sky-Tec Installation instructions. No weights and balance changes from previous installation.

Scott A Petersen A&P 506909398

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Aug 10, 2009	Tach 2926.3	Engine SMOH 381.59	Drained engine oil and removed old filter. Installed new Champion CH48110-1 filter and serviced with 7 qts Aeroshell 1500 Aviation oil. Old filter cut apart for inspection, no defects noted.	Engine run up and leak check O.K. Scott A Petersen AEP 506909398
<p>Pontiac Flying Service 15735 E 2000 N Rd Pontiac, IL 61764</p> <p>March 1, 2010 Tach time 2975.79 Engine SMOH 381.59 Annual Inspection completed this date. Compression check as follows: #1 79/80, #2 79/80, #3 78/80, and #4 79/80. Cleaned, gapped, and rotated spark plugs, and checked magneto to engine timing. Inspected ignition harness, exhaust system, and cabin heat system, no defects noted. Drained engine oil and removed engine oil filter. Filter cut apart for inspection, no defects noted at this time. Installed new Champion CH48110-1 oil filter and serviced with 7 qts. Aeroshell 15W50 Aviation Oil. Lubricated engine controls and checked for proper operation and freedom of movement. All AD's checked thru 2010-04. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time. Scott A Petersen IA506909398</p>				

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July 28, 2010	Tach Time 3035.76	Engine SMOH 441.56	Drained engine oil and removed old oil filter. Installed new Champion CH48110 oil filter and serviced with 7 qts Aeroshell 1500 Aviation oil. Run up and leak check O.K. Repair small section of baffle seal on left rear of engine.	Scott A Petersen AEP 506909398
Aug 16, 2010	Tach 3075.1	Engine SMOH 475.9 hrs	100 hr Inspection completed this date. Compression check as follows: #1 78 1/80, #2 79 1/80, #3 79 1/80, and #4 78 1/80. Checked magneto timing, cleaned, gapped, and reinstalled spark plugs at this time. Inspected exhaust system and cabin heat system, no defects noted. I certify that this engine has been inspected in accordance with a 100 hr Inspection and was determined to be in an airworthy condition at this time.	Scott A Petersen AEP 506909398
<p>Pontiac Flying Service 15735 E 2000 N Rd Pontiac, IL 61764</p> <p>Aug. 25, 2010 Tach Time 3088.18, Engine SMOH 488.98 hrs. Drained engine oil and removed old oil filter. Installed new Champion CH48110 filter and serviced with 7qts Aeroshell W100 Aviation oil. Replaced baffle seal on right front of engine compartment and replaced nut plate on left front corner of engine cowlings. Scott A Petersen AEP506909398</p>				

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Pontiac Flying Service
15755 E 2000 N Rd
Pontiac, IL 61764

April 11, 2011 Tach Time 3115.92 Engine SMOH 516.72. Annual Inspection completed this date. Compression check as follows: #1 78/80, #2 76/80, #3 77/80, and #4 78/80. Installed new Brackett air filter element BA-16 at this time. Cleaned and gapped spark plugs and checked magneto to engine timing. Inspected ignition harness and engine electrical system for chafing and defects, none noted at this time. Inspected exhaust system and cabin heat system for leaks and proper operation, no defects noted at this time. Lubricated engine controls and checked for freedom of movement and proper travel and operation. AD's checked thru 2011007. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time. Scott A Petersen IA506909398 Scott A Petersen

9-1-2011 TACH TIME 3245.58 Engine SMOH 616.38 100 hr Inspection completed

this date. Drained engine oil and removed old filter. Installed new Champion C448110-1 filter and serviced with 7 qts Aeroshell w/100 oil. Compression check as follows: #1 78/80, #2 78/80, #3 78/80, and #4 78/80. Cleaned and gapped spark plugs and reinstalled. Checked magneto timing and checked exhaust system and cabin heat system for defects, none noted. AD's checked thru 2011-17. I certify that this engine has been inspected in accordance with a 100 hr inspection and was determined to be in an airworthy condition at this time. Scott A Petersen NIP 506909398

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4-12-12 TACH TIME 3214.22 Engine SMOH 715.02 Atkadea Inspr 4us this

date. Compression check as follows: #1 79/80, #2 78/80, #3 79/80, #4 79/80

Drained engine oil and removed old filter. Installed new Champion C448110-1 filter and serviced with 7 qts Aeroshell w/100 oil.

Inspected engine compartment, exhaust system, electrical system for defects. I cert.ify that this engine has been inspected in accordance with a ~~Procedre~~ Inspection and was determined to be in an airworthy condition at this time. Scott A Petersen NIP 506909398

6-27-12 TACH TIME 3280.0 Engine SMOH 780.8 Drained engine oil and

removed old filter. Cut filter apart for visual inspection, no defects noted. Installed new Champion C448110-1 oil filter and serviced with 7 qts Aeroshell w/100 Aviation oil. Run-up and 10at check ok Scott A Petersen NIP 506909398

All AD's complied with thru 2012-06

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-13-12	3315.33	Engine SMOH 782.5 Checks follows: #1 78/80, #2 76/80, #3 77/80, and #4 79/80. Cleaned and gapped plugs, checked magnet timing, inspected exhaust and cabin heat systems. All AD's thru 2012-15. Lubricated engine controls and checked for proper track and freedom of movement. I certify that this engine has been inspected in accordance with a 100 hr Inspection and was determined to be in an airworthy condition at this time.	121.13	Scott A Petersen AEP 506909398
8-24-12	TACH TIME 3328.3	Engine SMOH 734.1	Drained engine oil and removed old filter. Installed new Champion CH48111 filter and serviced with 7gts AeroShell 1500 Aviation oil.	Scott A Petersen AEP 506909398
12-1-12	Tach Time 3376.71	Engine SMOH 782.5	Drained engine oil and serviced with 7gts AeroShell 1500. Run-up & leak check good.	Scott A Petersen AEP 506909398

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Mar. 7, 2013	Tach Time 3391.65	SMOH 797.44 hrs.	Annual Inspection completed this date. Compression check as follows: #1 78/80, #2 76/80, #3 77/80, and #4 79/80. Cleaned and gapped 4 spark plugs and installed 4 ea. new Unison UREM40E spark plugs. Installed new Brackett air filter element, part no. BA16 at this time. Checked magneto to engine timing and inspected exhaust and cabin heat system at this time. No defects noted. Lubricated all engine controls and checked for proper operation and freedom of movement. Oil not changed at this time due to low hrs on previous oil change. All AD's checked thru 2013-03. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time. Scott A Petersen IA506909398	Scott A Petersen
5-13-13	3442.4	Engine SMOH 847.99	Drained engine oil and removed old filter. Filter cut apart for inspection, no defects noted. Installed new Champion CH 48111 oil filter and serviced with 7gts AeroShell 1500 Aviation oil. Run-up & leak check o.k.	Scott A Petersen AEP 506909398
7-8-13	Tach Time 3488.67	Engine SMOH 894.26	100 hr Inspection completed this date. Compression check as follows: #1 78/80, #2 76/80, #3 77/80, and #4 79/80. Drained engine oil and removed filter for inspection, no defects noted. Installed new Champion CH48111 filter and serviced with 7gts AeroShell 1500 Aviation oil. Lubricated engine controls and checked for	Over →

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Mar. 20, 2014 Tach Time 3599.9 Airframe TT6152.38 **Annual Inspection** completed this date. Removed cowlings and drained engine oil and removed oil filter. Installed new Champion CH48110 oil filter and serviced with 7 qts. Aeroshell W100 Aviation oil. Performed compression check as follows: #1 77/80, #2 75/80, #3 77/80, and #4 74/80. Checked magneto timing and inspected ignition harness for wear and chafing. Inspected exhaust system and cabin heat system for leaks and distortion, no defects noted at this time. Lubricate engine controls and checked for proper travel and freedom of movement. All AD's checked thru 2014-05. I certify that this engine has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition at this time. Scott A Petersen JA506909398 *Scott A Petersen*

July 15, 2014 Tach Time 3644.87 Engine SMOH 1050.39 **Drained engine oil and removed old filter. Installed new Champion CH48110 oil filter and serviced with 7 qts of Aeroshell W100 Aviation oil. Run-up and leak check good.** *Scott Petersen* AIP 506909398

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4-5-14 Tach Time 3698.73 Engine SMOH 1104.25 **Drained engine oil and removed old filter. Installed new Champion CH48110 oil filter and serviced with 7 qts of Aeroshell W100 Aviation oil. Run-up and leak check good.** *Scott A Petersen* AIP 506909398

3-20-15 Tach Time *for repairs.*
SC. Reins

EASE CERTIFICATE

Northness Approval Tag

3. Form Tracking Number: 49882
5. Work Order/Contract/Invoice Number: 49882

Mar. 31, 2015 Tach time: check as follows: #1 78/80n #KC2R947K)

magneto timing and inspect brackets and bolts for security that this aircraft has been in airworthy condition at this

9. Quantity: 1
10. Serial Number: 06050691
11. Status/Work: Repaired

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-31-15	TACH TIME	3754.49	Engine SMOH 1160.01 Drained engine oil and removed old filter. Installed new Champion CH48110-1 filter and serviced with 7 qts Aeroshell W100 Aviation oil. Run-up and leak check normal.	Scott A Petersen AIP 506909398

Mar. 14, 2016 Hobbs Time 3778.89 Engine SMOH 1184.41 Annual Inspection completed this date. Compression check as follows: #1 76/80, #2 78/80, #3 76/80 and #4 73/80. Cleaned and gapped spark plugs and reinstalled. Reset magneto timing to 25 deg and inspected ignition harness for wear and chafing. Inspected exhaust system and cabin heat system for leaks, cracks, or distortion. No defects noted at this time. Lubricated engine controls and checked for proper travel and freedom of movement. All AD's checked through 2016-04. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time. Scott A Petersen IA 3726925 Scott A Petersen

Feb. 20, 2017 Tach time 3842.21 Engine SMOH 1247.73 Annual Inspection completed this date. Compression check as follows: #1 76/80, #2 76/80, #3 73/80, and #4 75/80. Drained engine oil and removed old filter for inspection, no defects noted. Installed new Champion CH48110 oil filter and serviced with 7 qts. of Aeroshell W100 Aviation oil. Installed new Brackett air filter element, part no. BA-16 at this time. Checked magneto timing and inspected ignition harness for wear and chafing. Inspected exhaust and cabin heat system at this time, no defects noted. Lubricated engine controls and inspected for proper travel and freedom of movement. All AD's checked thru 2017-03. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time. Scott A Petersen IA3726925 Scott A Petersen

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Descr Entries Technic
4-7-2017	TACH TIME	3846.7	Engine SMOH 125	and installed 2 ea new
11-17-2017	TACH TIME	3871.05	Removed	Scott A Petersen AIP 3726925

Mar. 2, 2018 Hobbs time 3877.53 Engine SMOH 1283.05 Annual Inspection completed this date. Compression check as follows: #1 76/80, #2 76/80, #3 78/80, and #4 77/80. Cleaned and gapped plugs and performed operational test of all spark plugs, no defects noted. Drained engine oil and removed old filter. Installed new Champion CH48110-1 and serviced with 7 qts. Aeroshell W100 Aviation oil at this time. Set magneto to engine timing at 25 deg and inspected ignition harness for wear and chafing. Lubricated all engine controls and inspected for proper travel and freedom of movement. Removed and replaced Brackett air filter element with new BA16 filter. All AD's checked thru 2018-04. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time. Scott A Petersen IA3726925 Scott A Petersen

Aerospace Welding Minneapolis Inc.
1045 Gemini Road
Eagan, MN 55121
(651) 379-9888

FAA-PMA
Approved

Approved Replacement for:
Piper 66894-03

Part Number:
A66894-03

Installation
Eligibility MODEL:

PA-28-151 S/N 287415001 and up
PA-28-161 S/N 28776001 and up
PA-28-180 S/N 281761 and up
PA-28-181 S/N 28779001 and up

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				and Alterations

April 15th
that work the
service ☒ Other
specified in Block 1
12 was accomplished
part 43 and in resp



Date: 4/24/2018 Registration: N3574C Pontiac Flying Service
Tach Time 3887.3 S/N: 28-8016200 15755 E 2000 North Rd
A/C Model: PA28-161 AFTT: 6439.8 Pontiac, IL 61764
Eng. Model: O-320-D3G SMOH 1292.9 815-842-3738

Removed and replaced vacuum pump 211CC with overhauled unit, serial no. 177718 at this time. Operational check normal at this time.

Scott Petersen

Scott Petersen

A&P 3726925



Date: 10/18/18 Registration: N3574C Pontiac Flying Service
Tach Time 3915.20 S/N: 28-8016200 15755 E 2000 North Rd
A/C Model: PA28-161 AFTT: 6463.70 Pontiac, IL 61764
Eng Ser # O-320-D3G SMOH: 1324.70 815-842-3738

Drained engine oil and removed old filter, installed new Champion CH48110-1 and serviced with 7qts. Aeroshell 15W 50 aviation oil.

Seth Lyons

Seth Lyons A&P 4101745

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



Date: 3/27/2019 Registration: N3574C Pontiac Flying Service
Hobbs Time 2926.57 15755 E 2000 North Rd
Eng. Model: O-320 A/C Model: PA-28-161 Pontiac, IL 61764
Eng Ser # O-320-D3G AFTT: 6479.07 815-842-3738

Annual Inspection completed this date. Compression test #1 77/80 #2 77/80 #3 78/80 #4 76/80. Inspected spark plugs, cleaned, tested, rotated and reinstalled. Checked magneto timing and inspected ignition harness for wear and chafing. Inspected exhaust and cabin heat. Removed damaged scat tubing from air filter to carburetor and replaced with new. Removed old air filter element and installed new P/N BA16. Inspected fuel system, removed fuel bowl, inspected screen and reinstalled. Removed fuel primer nozzles, cleaned, flow checked, reinstalled. Lubricated all engine controls and inspected from proper travel and freedom of moment. Complied with AD 98-01-06 Carburetor Venturi by visual inspection, no further action required. All AD's checked thru 2019 07. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time.

Scott A Petersen

Scott A Petersen IA 3726925

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Date: 7/23/19 Registration: N3574C Pontiac Flying Service
 Tach Time 3954.94 S/N: 28-8016200 15755 E 2000 North Rd
 A/C Model: PA28-161 AFTT: 6503.44 Pontiac, IL 61764
 Eng Ser # O-320-D3G SMOH: 1364.44 815-842-3738

Drained engine oil and removed old filter. Installed new Champion CH48110-1 and serviced with 7qts. Aeroshell W100 aviation oil.

Seth M Lyons

Seth M Lyons A&P 4101745



Date: 9/23/19 Registration: N3574C Pontiac Flying Service
 Tach Time 4004.20 A/C Model: PA-28-161 15755 E 2000 North Rd
 Eng. Model: O-320 Eng. SMOH 1405.00 Pontiac, IL 61764
 Eng Ser # O-320-D3G AFTT: 6556.70 815-842-3738

100 Hour Inspection completed this date. Drained oil and removed old filter. Installed new Champion CH48110-1 filter and serviced engine with 7qts. of Aeroshell 15W50 aviation oil. Removed spark plugs, cleaned, tested, rotated, and reinstalled. Checked magneto timing and inspected ignition harness for wear and chafing. Inspected fuel and oil lines for security and wear. All AD's checked thru 2019-19/20. Engine was inspected in accordance with Lycoming Operator's Manual O-320 & IO-320 Series. I certify that this engine has been inspected in accordance with an 100 Hour Inspection and was determined to be in an airworthy condition at this time.

Seth M Lyons

Seth M Lyons AP 4101745



Date: 2/28/20 Registration: N3574C Pontiac Flying Service
 Tach Time 4063.35 A/C Model: PA-28-161 15755 E 2000 North Rd
 Eng. Model: O-320 Eng. SMOH 1468.87 Pontiac, IL 61764
 Eng Ser # O-320-D3G AFTT: 6615.85 815-842-3738

Annual Inspection completed this date. Drained oil and removed old oil filter. Installed new Champion oil filter P/N CH48110-1, and serviced engine with 7qts. of Aeroshell W15W-50 Aviation Oil. Compression test #1 78/80 #2 78/80 #3 77/80 #4 78/80. Inspected spark plugs, cleaned, tested, rotated and reinstalled. Checked magneto timing and inspected ignition harness for wear and chafing. Inspected exhaust and cabin heat. Removed old air filter element and installed new P/N BA16. Inspected fuel system, removed fuel bowl, inspected screen and reinstalled. Lubricated all engine controls and inspected from proper travel and freedom of moment. All AD's checked thru 2020-06. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time.

Scott A Petersen

Scott A Petersen IA 3726925



Date: 4/6/20 Registration: N3574C Pontiac Flying Service
 Tach Time 4108.5 A/C Model: PA-28-161 15755 E 2000 North Rd
 Eng. Model: O-320-D3G Eng. S/N O-320-D3G Pontiac, IL 61764
 SMOH 1514.0 815-842-3738

Drained engine oil and removed oil filter. Installed new oil filter PN CH48110-1 and serviced engine with 7 quarts of Aeroshell W100. Removed, cleaned, inspected, tested and reinstalled spark plugs. Timed magnetos.

Kris Petersen

Kris Petersen AP 3654804



Date: 4/22/20 Registration: N3574C Pontiac Flying Service
Tach Time 4135.88 A/C Model: PA-28-161 15755 E 2000 North Rd
Eng. Model: O-320 Eng. SMOH 1541.40 Pontiac, IL 61764
Eng Ser # O-320-D3G AFTT: 6688.38 815-842-3738

Installed new left and right Champion Aerospace Slick Ignition Harness, P/N M1780. All work done in accordance with Avco Lycoming Direct Drive Engine Overhaul Manual. Operations check performed and found satisfactory.

Scott A Petersen

Scott A Petersen IA 3726925



Date: 5/12/2020 Registration: N3574C Pontiac Flying Service
Hobbs Time 4162.30 A/C Model: PA28-161 15755 E 2000 North Rd
Eng. Model: O-320-D3G Eng. SMOH 1567.72 Pontiac, IL 61764
Eng Ser # RL-14948-39A 815-842-3738

100 Hr Inspection completed this date. Compression check as follows: #1 76/80, #2 74/80, #3 77/80, and #4 76/80. Drained engine oil and removed old filter. Installed new Champion Ch48110 filter and serviced with 7 qts of Aeroshell W100 Aviation oil. Cleaned and gapped spark plugs, reinstalled, and torqued. Inspected alternator attach points and alternator belt for condition and wear. Inspected muffler and cabin heat system at this time. All AD's checked through 2020-10. I certify that this engine has been inspected in accordance with a 100 Hr Inspection and determined to be in an airworthy condition at this time.

Scott A Petersen

Scott A Petersen IA 3726925

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

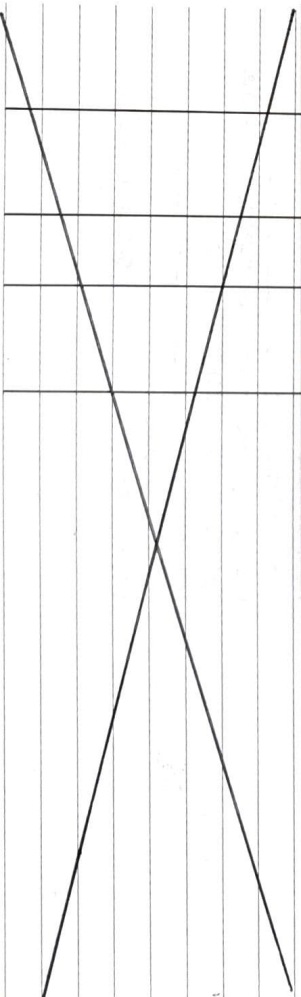


Date: ~~5-12~~ 6-10-2020 Registration: N3574C Pontiac Flying Service
Hobbs Time 4190.30 A/C Model: PA28-161 15755 E 2000 North Rd
Eng. Model: O-320-D3G Eng. SMOH 1595.72 Pontiac, IL 61764
Eng Ser # RL-14948-39A 815-842-3738

Drained engine oil and removed old filter. Installed new Champion Ch48110 filter and serviced with 7 qts of Aeroshell W100 Aviation oil. Cleaned and gapped spark plugs, reinstalled, and torqued. Removed left magneto and installed new magneto to engine gasket at this time. Timed magneto to engine and performed engine run-up, all parameters normal at this time.

Scott A Petersen

Scott A Petersen AP 3726925





Date: 8/20/20

Registration: N3574C

Pontiac Flying Service

Tach Time 4262.12

A/C Model: PA-28-161

15755 E 2000 North Rd

Eng. Model: 0-320

Eng. SMOH 1667.64

Pontiac, IL 61764

Eng Ser # 0-320-D3G

AFTT: 6814.62

815-842-3738

100hr inspection completed this date. Drained oil and removed old oil filter. Installed new Champion oil filter P/N CH48110-1, and serviced engine with 7qts. of Aeroshell W100 Plus Aviation Oil. Compression test #1 78/80 #2 76/80 #3 77/80 #4 76/80. Inspected spark plugs, cleaned, tested, rotated and reinstalled. Checked magneto timing and inspected ignition harness for wear and chafing. Inspected exhaust and cabin heat. Removed bracket aero air filter element, and installed new P/N BA16. Inspected fuel system, removed fuel bowl, inspected screen and reinstalled. All AD's checked thru 2020-17/18. I certify that this engine has been inspected in accordance with an 100hr inspection and was determined to be in an airworthy condition at this time.

Seth M Lyons AP 4101745

Date: 02/24/21

Registration: N3574C

Tach Time: 4276.6

A/C Model: PA-28-161

Eng. Model: 0-320

Eng. SMOH: 1682.1

Eng. Ser. # 0-320-D3G

Drained engine oil and removed old filter. Installed new Champion CH48110 oil filter and serviced with 7 qts. Aeroshell 15W50 aviation oil. Old filter cut apart for inspection, no defects noted. Ran up and checked for leaks, checked OK.

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

Date: 02/28/21

Registration: N3574C

Tach Time: 4276.6

A/C Model: PA-28-161

Engine Model: 0-320-D3G

Engine SMOH: 1682.1

Eng. Serial # RL-14948-39A

Annual inspection completed on this date. Compression test #1: 77/80, #2 78/80, #3 77/80, #4 78/80. Inspected spark plugs, cleaned, tested, rotated and reinstalled. Checked magneto timing and inspected ignition harness for wear and chafing. Removed old air filter element and installed new P/N BA16. Inspected exhaust and cabin heat. Inspected fuel system, removed fuel bowl, inspected screen and reinstalled. Lubricated all engine controls and inspected for proper travel and freedom of movement. All AD's checked through 2021-06. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition at this time.

Samuel L. Evans

A & P 2025189 IA

YEAR	1988	Make: Lycoming
DATE	1913/0245/0	Model: O-320-D3G
		Tail: N35/4C
		S/N: RL-14948-39A

Hours: Tach: 4453.03 EngineTT: Unk. 1858.55 SMOH

Completed 100 hour inspection this date IAW FAR 43 Appendix D, using the AMM as a reference. Drained engine oil, removed oil filter and inspected element. Added 7 qts X/C 20W50 and new oil filter pin CH48110-1. Replaced engine air filter element pin BA-16. Removed spark plugs, cleaned, tested, rotated, and reinstalled. Differential compression test as follows: (1) 7/4, (2) 7/2, (3) 7/0, (4) 68/80. All AD's C/W to this date, report generated and added to records. Engine run-up/leak check completed. I certify this engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

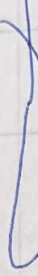
Signed: 
Name: Justin Pale
Cert: 4391662 A&P
Date: 07/15/2021

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

Make: Lycoming
Model: O-320-D3G
Tail: N35/4C
S/N: RL-14948-39A

Hours: Tach: 4510.06


Drained engine oil. Replaced engine oil filter pin CH48110-1. Added 7 qts X/C 20W50. Run-up/leak check completed.
All work done IAW w/ PA-28-161 AMM.

Signed: 
Name: Justin Pale
Cert: Mechanic: 4391662 A&P
Date: 07/26/2021

YEAR	1988	Make: Lycoming
DATE	1913/0245/0	Model: O-320-D3G
		Tail: N35/4C
		S/N: RL-14948-39A

Hours: Tach: 4652.59 TTE: Unk. SMOH: 1958.11

Completed a 100 hour inspection IAW FAR 43 Appendix D using PA-28-161 AMM as a reference. Drained engine oil, removed oil filter, and inspected filter element. Installed new oil filter pin CH 48110-1 and added 7 qts X/C20W50. Removed spark plugs, cleaned, inspected, rotated top to bottom, and reinstalled using new gaskets pin M6/4. Differential compression test as follows: (1) 68 (2) 68 (3) 72 (4) 72/80. No AD's found due. AD report generated and placed in a/c permanent records. Replaced missing p-head nut on LH magneto. I certify this engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

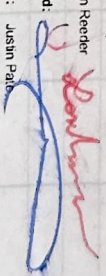
Signed: 
Name: Justin Pale
Cert: Mechanic: 4391662 A&P
Date: 08/09/2021

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

Make: Lycoming
Model: O-320-D3D
Tail: Installed on N35/4C
S/N: RL-14948-39A

Hours: Tach: 4597.43

Drained oil and removed filter. Installed and torqued new oil filter P/N CH48110-1. Added 7 quarts Phillips X/C 20W-50. Performed ops check.

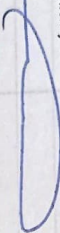
Signed: 
Name: Justin Pale
Cert: Mechanic: 4391662 A&P
Date: 08/19/2021

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
191370245/0

Make: Lycoming
Model: O-320-D3G
Tail: N3574C
S/N: RL-14948-39A

DATE
Hours: Tach: 4651.60 Eng TT: Unknown SMOH: 2067.12

Completed a 100 hour inspection IAW FAR 43 Appendix D using PA-28-161 AMM for reference. Drained engine oil. Removed, oil open, and inspected engine oil filter element. Added 7 qts X/C20W50. Differential compression test as follows: (1) 7/6 (2) 7/6 (3) 7/7 (4) 7/6/80. Adjusted magnet to engine timing IAW PA-28-161 AMM. Cleaned, inspected, and tested spark plugs reinstalling using new gaskets pin 146/74. No AD's found due at this time, report generated and placed in a/c records. 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
A&P
Date: 09/08/2021

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
191370245/0

Make: Lycoming
Model: O-320-D3G
Tail: N3574C
S/N: RL-14948-39A

Hours: Tach: 4695.25

Drained engine oil, replaced engine oil filter pin CH48110-1, added 7 qts X/C20W50 IAW PA-28-161 AMM. Run-up/leak check completed.


Signed: 
Name: Justin Pate
Cert: Mechanic: 4391662
A&P
Date: 09/20/2021

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
191370245/0

Make: Lycoming
Model: O-320-D3G
Tail: N3574C
S/N: RL-14948-39A

DATE
Hours: Tach: 4733.63 Eng TT: Unknown SMOH: 2139.15

Completed 100 hour engine inspection IAW FAR 43 Appendix D referencing PA-28-161 AMM 100 hour inspection report. Differential compression test as follows: (1) 7/4 (2) 7/8 (3) 7/7 (4) 7/2/80. Replaced spark plugs with serviceable plugs pin REM404E using new gaskets pin 146/74. Added 7 qts X/C20W50. Installed new engine oil filter pin CH48110-1. No AD's found due at this time, report generated and placed in a/c records. Run-up/leak check completed. I certify this engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

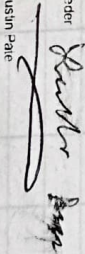
Signed: 
Name: Justin Pate
Cert: Mechanic: 4391662
A&P
Date: 09/30/2021

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
191370245/0

Make: Lycoming
Model: O-320-D3G
Tail: Installed on N3574C
S/N: RL-14948-39A

Hours: Tach: 4788.18

Drained oil and removed filter. Installed and torqued new oil filter P/N CH48110-1. Added 7 quarts Phillips X/C 20W-50. Performed ops check. Work done in accordance to Piper PA-28-161 AMM.

Signed: 
Name: Justin Pate
Cert: Mechanic: 4391662 AP
Date: 10/18/2021


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

Make: Lycoming
Model: O-320-D3G
Tail: N3574C
S/N: RL-14948-39A

YEAR
DATE

Hours: Tach: 4815.92 EngTT: Unknown SMOH: 2221.44

Completed 100 hour inspection IAW FAR 43 Appendix D referencing PA-28-161 AMM 100 hour inspection report. No AD's found due. Differential compression check as follows: 79, 78, 78, 76/80. Drained engine oil. Removed engine oil filter, cut open, and inspected element. Added 7 qts XCC20W50 and new oil filter pin CH48110-1. Removed, cleaned, inspected, and tested spark plugs, reinstalled w/ new gaskets pin M674. Replaced exhaust gaskets pin 77611. Replaced intake gaskets pin 71973. Ops check completed. 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: 11/05/2021

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

Make: Lycoming
Model: O-320-D3G
Tail: Installed on N3574C
S/N: RL-14948-39A

Hours: Tach: 4890

Drained engine oil. Removed and replaced engine oil filter P/N CH48110-1. Added 7qts Phillips 66 20W-50 engine oil. Performed ops check. All work done in accordance to Piper PA-28-161 AMM.

Signed: 

Name: Justin Pate

Cert. Mechanic: 4391662 AP
Date: 12/10/2021


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

Make: Lycoming
Model: O-320-D3G
Tail: N3574C
S/N: RL-14948-39A

YEAR
DATE

Hours: Tach: 4914.6 EngTT: Unknown SMOH: 2320.12

Completed 100 hour inspection IAW FAR 43 Appendix D referencing PA-28-161 AMM 100 hour inspection report. No ADs found due. Drained engine oil, cut open and inspected engine oil filter element. Added 7 qts XCC20W50 and new filter pin CH48110-1. Differential compression test as follows: 78, 80, 79, 77/80. Cleaned, inspected, tested, and reinstalled spark plugs. 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: 01/07/2022

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

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-8016200

Hours: TT: 4948.75 EngTT: Unknown SMOH: 2354.27

Performed annual inspection IAW FAR 43 Appendix D referencing AMM. Compression 1 - 75/80 2 - 78/90 3 - 75/80 4 - 80/80. Drained cut open and inspected engine oil filter element, no metal found. Replaced oil filter with pin CH48110-1 added 7 qts XCC20W50. Cleaned, tested, reinstalled spark plugs. Adjusted idle stop screw to achieve idle RPM. I certify that this engine has been inspected in accordance with an annual inspection and determined to be in an airworthy condition.

Nathaniel A Griffin: A4457220

Signed: 

Name: Adam Piepkne

Cert. Mechanic: 3965513 AP
IA
Date: 02/18/2022

ations er of ities.)

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-8016200

Hours: AC: 7565.56 TT: 5013.5 EngTT: 2418.57 PropTT: 2418.55 Hobbs: Misc:

Performed an annual inspection IAW FAR 43 app. D and piper AMM as guide, no applicable AD's due. Compressions:
1. 76/80 2. 76/80 3. 80/80 4. 79/80 removed oil filter, cut open, no metal found, drained sump, installed new
filter pin ch48110-1, and serviced sump with 7 qts. of x/c 20W50. 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: 03/22/2022

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-8016200

Hours: AC: 7657.33 TT: 5104.83 EngTT: 2510.35 PropTT: 2509.88 Hobbs: Misc:

Performed a 100 hour inspection IAW FAR 43 app. D and piper amm as guide, no applicable AD's due. Compressions:
1. 78/80 2. 76/80 3. 80/80 4. 79/80 removed oil filter, cut open, no metal found, drained sump, installed new filter pin
ch48110-1, and serviced sump with 7 qts. of x/c 20W50. During inspection found hole in muffler removed and sent to be
repaired, reinstalled with new gaskets pin 77671. I certify this engine has been inspected IAW a 100 hour inspection
and has been determined to be in an airworthy condition.

Signed: 

Name: Logan Baker

Cert: Mechanic: P Pending
Date: 05/11/2022

YEAR
DATE

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-8016200

Hours: AC: 7743.1 TT: 5191.05 EngTT: PropTT: Hobbs: Misc:

Performed 100 Hour inspection IAW FAR 43 app. D and piper AMM as guide, no applicable AD's due at this time.
Compressions 1. 78/80 2. 79/80 3. 79/80 4. 77/80. Removed oil filter, cut open, no metal found. Drained sump. Installed
new oil filter P/N CH48110-1, and serviced sump with 7qts. of X/C 20W/50. During inspection found exhaust heat-
shroud cracked. Removed sent to be repaired and reinstalled. I certify that 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: 46387
Date: 06/10/2022

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-8016200

Hours: AC: 7842.2 TT: 5290.15 ESMOH: 2695.22 PropTT: 2695.2

Performed a 100hr. inspection IAW FAR 43 app. D and piper AMM as guide, no applicable AD's due. Compressions:
1. 78/80 2. 80/80 3. 78/80 4. 80/80. removed oil filter, cut open, no metal found, drained sump, installed new
filter pin ch48110-1, and serviced sump with 7 qts. of x/c 20W50. 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: 09/22/2022 2/13/22

YEAR

DATE


WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-8016200

Iterations
Number of
(if entries.)

Hours: TT: 5385.38 SMOH: 2760.45

Completed a 100 HR inspection IAW FAR 43 app. D using piper pa-28-161 AMM as reference. No applicable AD's due at this time. Compressions 1: 76/80 2: 75/80 3: 78/80 4: 80/80. Drained oil sump and cut open oil filter. No metal found. Installed new oil filter P/N AA48110-2. Serviced sump with 7qts of X/C 20W50. Found leaking #1 cylinder valve cover gasket. Replaced with gasket P/N SL75808. Replaced leaking main seal with P/N LW13792. Replaced damaged 3.5" scot tubing. 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

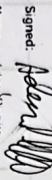
Cert: Mechanic: 4638560 P
Date: 08/05/2022

WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-8016200

Hours: AC: TT: 5382.05 EngTT: ProptT: Hobbs: Misc:

Removed and replaced starter with P/N149-12LS S/N H-W060437

Signed: 
Name: Adam Phipps
Cert: Mechanic: 3965513 AP
Date: 08/12/2022

YEAR

DATE

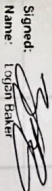
WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-2016200

Iterations
Number of
(if entries.)

Hours: AC: 7994.62 TT: 5,442.57 EngTT: SMOH: 2847.64 ProptT: 2847.64 Hobbs: Misc: 65161

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: 78/80 2: 79/80 3: 79/80 4: 80/80. 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 20W50 Victory. I certify that 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: 4638560 P
Date: 08/22/2022


WEST
West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28-161
Tail: N3574C
S/N: 28-8016200

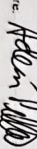
Hours: AC: 8089.64 TT: 5537.59 EngTT: SMOH: 2942.66 ProptT: 2942.66 Hobbs: 4885.1 Misc:


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: 42/80 2: 79/80 3: 79/80 4: 80/80. 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 20W50 Victory. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Signed: 
Name: Joshua Kennedy
Cert: Mechanic: 4653415 AP
Date: 11/14/2022

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>WEST West Aircraft Maintenance 280 Gardiner Dr New Century KS 66031 1913702/4570</p> <p>Make: Piper Model: PA-28-161 Tail: N3574C S/N: 28-8016200</p> <p>Hours: AC: 8089.64 TT: 5537.59 Eng TT: SMOH: 2942.66 Prop TT: 2942.66 Hobbs: 4885.1 Misc:</p> <p>Removed and replaced Cylinder #1 and Cylinder #2 connecting rods, P/N /8030. Replaced cylinder #1 with overhauled cylinder P/N LW12417 with new piston P/N SL 75089A and ring set P/N SL 54015C. All work done with reference to Lycoming Direct drive/ Overhaul manual and supering ring gap information service letter L04-01A.</p> <p>Signed:  Name: Joshua Kennedy</p> <p>Cert: Mechanic: 4653415 A/P Date: 11/14/2022</p>

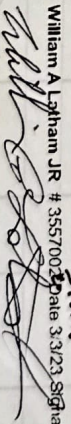
Created 8/120/2023 S/N Engine 1 Tach 5610.76 TTIS 5510.76 TSOH 3015.83
Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-161 AMM. No applicable AD's due at this time. Compressions 1 79/80 2 79/80 3 77/80 4 79/80. Drained engine oil. Removed and cut open oil filter. no metal found. installed new oil filter P/N DM8110-1 and added 701s of Phillips 66 XCC20W50. Replaced crankshaft seal with new P/N LW-12782. Replaced bearing cylinder #1 and #3 intake seals P/N SL 71973. Replaced faulty vacuum pump with overhauled unit P/N 211cc. S/N 201490. removed cracked spinner and built new. installed spinner and built head assy's pin 8/325-12. removed from N2107E. reinstalled same prop. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Adam Piepke IA 3956513 Date: 11/20/23 Signature: 

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>Created 03/03/2023 S/N RL-14948-39A Engine 1 Tach 5706.91 TTIS 5706.91 TSOH 5706.91</p> <p>Performed a 100 HR inspection IAW FAR 43 app. D using piper PA-28-161 AMM as guide. no applicable AD's due. Compressions: 1: 78/80 2: 79/80 3: 72/80 4: 75/80. removed oil filter. cut open. no metal found. drained sump. installed new filter P/N AA48110-2. and serviced sump with 7 qts. of Aeroshell W80. Replaced RH engine baffling with new fabricated baffling. replaced cyl #1 valve cover gasket with serviceable gasket P/N 06-1110-06. Replaced carb heat screen hold down plate with fabricated part. I certify this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.</p> <p>Logan Baker # 4638550 Date: 3/3/23 Signature: </p>

Created 03/03/2023 S/N RL-14948-39A Engine 1 Tach 5706.91
TTIS 5706.91 TSOH 5706.91

Performed an annual inspection IAW FAR 43 app. D. I certify this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition and is approved for return to service.

William A Lytham JR # 3557002 Date: 3/3/23 Signature: 

YEAR
DATE

3/27/23 4:45 PM

oil change - N3574C Piper Warrior

Created 03/27/2023

S/N

Engine 1 Tach 5756.59

TTIS 3152.34

TSOH

3152.34

Drained oil, removed oil filter, cut open oil filter no metal noted, installed new oil filter
aa4108-2, and serviced engine w/ 6 qts of 80w. Ops/leak check good.

106

Gregory Warton

3807766 A&P IA

Date: 3/27/23

Signature:



KC

Created 07/13/2023

S/N L-15689-39A

Engine 1 Tach 5805.03

Remo:ed this engine (A-42U S N RI - 14348-39A from N3574C)

Josh Kennedy

4429081 A&P

Date: 7/13/23

Signature:



and Alterations
Certificate Number of
per specific entries.)

YEAR 20__ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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01/22/2024, Lycoming O-320-D3G, SN: RL-14948-39A, TTE: 3152.34, SMOH: 0.0. This engine was overhauled to new parts limits IAW Lycoming Overhaul Manual Direct Drive Engines PN: 60294-7 and SSP-1776, Part 1. See engine logs for appropriate FAA Form 8130-3's for overhaul of the following items: Crankshaft PN: 76591 SN: R67671-1, Connecting Rods 4 each PN: 78030, Crankcase PN: 77366 SN: 4006, Accessory Housing PN: LW-12407, Tachometer Shaft PN: 76121, Idler Gear PN: 74996, Idler Gear PN: 75072, Rocker Arms 8 each PN: 18790, Lifters 8 each PN: 72877, Camshaft 1 each PN: AEL11754, Fuel Pump 1 each PN: AF-15472, SN: 16EC09. New items installed as follows: Hydraulic Units 8 each PN: SL78290, Crankshaft Main Bearing Nose 2 each PN: SL13884A M006, Crankshaft Main Bearing Intermediate and Rear 4 each PN: SL16711A M006. Connecting Rod Bearing 8 each PN: SL61662A M003, Connecting Rod Bolt 8 each PN: SL78027, Connecting Rod Nut 8 each PN: SL12186, Thru Stud 4 each PN: AEL76220, Crankshaft Gear PN: SL13S19646, Crankshaft Gear Screw PN: SL-STD-2213, Crankshaft Gear Lock Plate PN: SL18639, Cylinder Assemblies 4 each PN: LW12416. Pistons 4 each PN: SL75089A #1, #2 & #4 Weight 1256 Grams, #3 Weight 1255 Grams. Piston Pins 4each PN: LW-14078, Piston Plugs 8 each PN: 72198, Rings Compression 8 each PN: SL74241A, Rings Oil Control 4 each PN: SL73857. Rocker Arm Shafts 4 each PN: SL13790A Thru Bolts 4 each PN: SL76220, Hexagon Nuts 18 each PN: STD-2090, Hexagon Nuts 16 each PN: SL383-B, Oil Pump Housing PN: SL78528-2, Oil Pump Kit PN: SL78528, Oil Pump Drive Shaft PN: SL61174A-G, Valve Oil Control Vernatherm PN: SL53E19600, Oil Pressure Relief Spring PN: 61084, Oil Pressure

YEAR 20__ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Relief Ball PN: 1028-B, Fuel Pump Plunger 1 each PN: 23D26777. Engine Overhaul Gasket Set PN: SL69371-1, Induction Hose 4 each PN: SL69603, Oil Return Hose 4 each PN: SL-STD-2180. Inter Cylinder Baffles 2 each PN: SL 72569, Hooks 2 each PN: SL71610, Retainer 2 each PN: SL71611. Serviceable items (within new limits) Pushrod Assemblies 8 each PN: 15F19957-13, Idler Gear Assemblies PN: 75072 & 74996. All Airworthiness Directives are current up through FAA Biweekly 2024-01, 01/01/2024-01/14/2024, all applicable Lycoming Service Bulletins have been complied with, see engine records for complete details. Upon completion of Lycoming Overhaul Manual Direct Drive Engines: Section 9, Test Procedures this engine will be certified for return to service. --END-- William A. Latham, Jr. AP35570021A

01/22/2024, Lycoming O-320-D3G, SN: RL-14948-39A, TTE: 3152.34, SMOH: 0.0. This engine was supplied to customer without magnetos, ignition harness, sparkplugs, oil filter and carburetor. -----END----- William A. Latham, Jr. AP35570021A

YEAR 20	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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01/22/2024, Lycoming O-320-D3G, SN: RL-14948-39A, TTE: 3152.34, SMOH: 0.0. This engine requires compliance with Lycoming Overhaul Manual Direct Drive Engines PN: 60294-7, Section 9, Test Procedures and an appropriate logbook entry detailing that said procedures have been entered by a properly rated engine mechanic prior to return to service. -----END----- William A. Latham, Jr. AP35570021A

William A. Latham, Jr.

YEAR 20	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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3152.34^{u8} Created 01/30/2024 S/N RL-14948-39A^{u8} Engine 1 Tach 6077.68
TTIS 269.07 TSOH 0.00

Removed Lycoming engine Model O-320-D3G S/N L-15689-39A From Piper PA-28-151 N3574C. Installed Lycoming engine model O-320-D3G S/N RL-14984-39A. Installed overhauled carburetor Model MA-4SPA P/N 10-5217 S/N MS19AL15 FAA form 8130-3 put with aircraft records. installed Overhauled LH magento P/N 4371 S/N H-X110262 using magneto gear p/n SL61665 FAA form 8130-3 put with aircraft records. Installed overhauled RH magneto P/N 4370 S/N L-09412 using magneto gear p/n SL68C19622 FAA form 8130-3 put with aircraft records. Timed magnetos with reference to engine data plate. Installed new ignition harness assy. P/N KA14001. Installed 8 new spark plugs P/N UREM-40E. all work completed with reference to Piper PA-28-151/161 AMM and Lycoming special service publication No SSP-1776-5. Performed engine break in with reference to Lycoming SI 1427C. test run satisfactory

Logan Baker P #4638550 Date: 1/30/24 Signature: *[Signature]*

S/N RL-14948-39A
TIMES

Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of Repair Facility. (See back pages for other specific entries.)

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

or for

only of ENAMEL

AL-148-39AUB

Created 02/19/2024

S/N ~~E-15605-39A~~ Engine 1 Tach 6116.89

Engine 1 Tach 6116.89

TTIS-344.80-LSOHSOHS-344.80-LS

3191.55, 39.21

Drained oil, removed and cut open oil filter. No metal found. Serviced oil sump with 7Qts of Aeroshell W80 and installed oil filter P/N AA48110-2.

Logan Baker P#4638550 Date: 2/19/24 Signature:

Date: 2/19/24

Signature:

Signature: _____

43 LB

Created 03/05/2024

S/N RL-14984-39A Engine 1 Tach 6156.76 TTIS

Engine 1 Tach 6156.76 TTIS

323434 TSOH 82.0

Completed an annual/100 HIR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AIMM 5-

20:00. Researched AD's through bi-weekly report 2024-04 Compressions #1 78/80 #2 79/80 #3 78/80

#4 79/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N

W448110-2 and serviced oil sump with 7qls of Aeroshell W80. Replaced #4 intake gasket w/new P/N:

71973.

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

Gregory Warton # 3807766 A&P I/A Date: 3/5/24 Signature



Date: 3/5/24




Signature _____



ES

or of Technician or

YEAR 20	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				 Created 04/12/2024 S/N RL-14984-39A Engine 1 Tach 6241.29 TTIS 3318.87 TSOH 166.53 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 2024-07. No applicable AD's due at this time Compressions #1 74/80 #2 76/80 #3 78/80 #4 78/80 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. Tested and reinstalled spark plugs. Removed intake gasket from Cyl. # 2,3,4 and replaced with new intake gaskets P/N 71973. Replaced # 1 and 2 rocker box cover P/N APS-75906-S. Replaced forward spinner plate P/N W35323-012. 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 Date: 4/12/24 Signature: 

YE 20	TACH TIME	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	Initian or
			 Created 04/23/2024 N3574C Piper Warrior S/N 28-8016200. Engine 1 6275.86 TTIS 8827.91 Removed and replaced LF exhaust riser P/N A35300-00. LR exhaust riser P/N 35301-00AWL. and both front and rear mufflers P/N A66894-03. Performed ops check. no defects noted. All work done using Piper PA-28-161 AMM as guide.	
			Landon Reeder A&P 4369883 Date: 4/23/24 Signature: 	
			Created: Wed, 10/09/24 N3574C Piper Warrior S/N: RL-14984-39A TACH 6325.9 TTIS 8877.9 Removed Engine O-320-D3G S/N RL-14948-39A and Accessories engine mount forward including starter, magnetos, alternator, vacuum pump. All work completed per Piper PA-28-151/161 AMM Sec 8-9	
			Josh Kennedy A&P #4653415 Date: Wed, 10/09/24 Signature: 	
			Created: Wed, 10/09/24 Model: O-320-D3G S/N: RL-14984-39A TACH: 2743.5 TTIS: 3403.52 TSOH: 251.18 Installed serviceable Lycoming engine from N3574C Model O-320-D3G S/N RL-14984-39A and accessories. Starter P/N 149-12LS S/N H-W092873. Carburetor P/N 10-5217 S/N MA-4SPA. LH magneto P/N 4371 S/N H-X110262. RH magneto P/N 4370 S/N L- 09412. Alternator P/N 4111810. with reference to PA-28-151/161 AMM Sec 8-9.	
			Josh Kennedy A&P #4653415 Date: Wed, 10/09/24 Signature: 