THE adlog™ AIRCRAFT MAINTENANCE RECORDKEEPING SYSTEM

ENGINE MAINTENANCE RECORDS

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

02/25/22 Tach: 5544.6 ETSMOH: 356.1 100 HOUR INSPECTION

Installed Lycoming O-320 H2AD S/N L-1871-76T on Cessna 172 N S/N 17272346 N4739D. Compressions @ 80psi #1-80, #2-78, #3-80, #4-78. Drained oil. Installed AA48103 oil filter. Serviced engine with 7 quarts Phillips Victory AW20W50 oil. Installed Cam Guard. Complied with recurring AD80-04-03R2 by visual inspection and Victory oil. Ground run up normal. No leaks noted.

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

Donald W. Simmons A&P 3794236

05/01/23 Tach: 5571.9 ETSMOH: 383.4 100 HOUR INSPECTION

Compressions @ 80psi #1-78, #2-78, #3-78, #4-78. Drained oil. Installed AA48103 oil filter. Serviced engine with 5 quarts Phillips Victory AW 20W50 oil. Installed Cam Guard. Complied with recurring AD80-04-03R2 by visual inspection and Victory oil. Installed serviceable Sky Tec starter 149-NL S/N FN-321225. Installed new Nicrocraft muffler SO00127B-3 S/N 058594-009, Riser W1754010-1 S/N 059412-0001 and new Rapco gaskets RA77611. Ground run up normal. No leaks noted. References, Lycoming MM, Sky-Tec IM, AC 43.13.

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

Donald W. Simmons Donald W. Simmons A&P 3794236

6/23/23		434.3	562.8	Drained oil. Installed new AA48103 oil filter. Serviced engine with 5 quarts Phillips Victory oil. Installed 8 oz Cam guard. Complied with recurring AD 80-04-03R2 by visual inspection and victory oil. Ground run up normal. No leaks noted Donald W. Simmons A+P 3794236
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D/ **07/22/23** **Tach: 5672.9** **ETSMOH: 484.4** **100-Hour Inspection**
Engine-N4739D Cessna-172N S/N 17272346 Yr-1979

Inspected the Engine as part of a 100-Hour inspection. Performed a compression test: Cyl.1 77/80, Cyl.2 78/80, Cyl.3 77/80, Cyl.4 75/80. Drained oil then removed the suction screen and oil filter. Cleaned and inspected the suction screen, no discrepancies found, reinstalled screen with new crush gasket. Cut and inspected filter element, no metal particles found, installed a new filter P/N AA48103-2. Complied with AD 80-04-03R2 by visual inspection then serviced engine with 5qts of Phillips Victory AW 20w-50 and 8oz of Camguard. Removed all the spark plugs, inspected, cleaned, gapped, tested and rotated then reinstalled with new gaskets. Installed new induction filter P/N BA-6108.Ground run check good, no leaks noted. Work performed in reference to Lycoming MM and AC 43.13

I certify that this engine has been inspected in accordance with and 100-hour Inspection and was determined to be in airworthy condition

Sawyer Brill Sawyer J. Brill A&P 4318502 IA

3/9/23		527.6	5716.1	Drained oil. Installed new AA48103 oil filter. Serviced engine with 5 quarts Phillips Victory oil. Installed 8oz Comguard. Complied with recurring AD80-04-03R2 by visual inspection and Victory Oil Ground run up normal. No leaks noted Donald W. Simmons A+P 3794236

08/26/23 **Tach: 5768.6** **ETSMOH: 580.1** **100 HOUR INSPECTION**

Compressions @ 80psi #1-78, #2-78, #3-78, #4-75. Drained oil. Installed AA48103 oil filter. Serviced engine with 5 quarts Phillips Victory AW 20W50 oil. Complied with recurring AD80-04-03R2 by visual inspection and Victory oil. Installed 8 new Tempest URHM38E spark plugs. Ground run up normal. No leaks noted. References, Lycoming MM, AC 43.13.

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

Donald W. Simmons Donald W. Simmons A&P 3794236

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DATE	TOTAL TIME IN SERVICE
9/13/2023	Tach 5831.3
11/3/23	

10/15/23

Compressions @
engine with 5 qua
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on #2 and #4 cylin

I certify that this e
determined to be

Donald

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
9/18/2023	Tach 5831.3	Hobbs 2735.9		Ran engine to operating temp, Removed cowling, and drained oil. Removed, cut, and inspected oil filter, No issues Noted. Installed a new oil filter p/N AA48103-2, and serviced the engine with 5 quarts Phillips Victory 20W50 AD oil in reference to Lycoming SB-480f. Complied with AD80-04-03R2 by visual inspection and installation of Victory oil. Secured cabin heat Air duct. Replaced failed cowling mount with new P/N J7444-14. Post MX Ground Run-up satisfactory, No issues, issues or Leaks noted. Re-installed cowling. Donald W Simmons A&P 3997692IA

10/15/23 **Tach: 5868.4** **ETSMOH: 679.9** **100 HOUR INSPECTION**

Compressions @ 80psi #1-78, #2-78, #3-78, #4-79. Drained oil. Installed AA48103 oil filter. Serviced engine with 5 quarts Phillips Victory AW 20W50 oil. Complied with recurring AD80-04-03R2 by visual inspection and Victory oil. Installed new front crankshaft seal P/N SL13792. Installed new intake gaskets on #2 and #4 cylinders. Ground run up normal. No leaks noted. References, Lycoming MM, AC 43.13.

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

Donald W. Simmons Donald W. Simmons A&P 3794236

11/3/23		728.8	5917.3	Drained oil. Installed new AA48103 oil filter. Serviced engine with 5 quarts Phillips Victory oil. Complied with recurring AD80-04-03R2 by visual inspeton of oil filter element, and Victory oil. Ground run up normal, No leaks noted. Donald W. Simmons A+P 3794236
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11/28/2023 Tach: 5966.5 ETT-SMOH: 778.0 100-Hour Inspection

Engine-N4739D Cessna-172N S/N 17272346 Yr-1979

Inspected the Engine as part of a 100-Hour inspection. Performed a compression test: Cyl.1 78/80, Cyl.2 78/80, Cyl.3 76/80, Cyl.4 79/80. Drained oil then removed the suction screen and oil filter. Cleaned and inspected the suction screen, no discrepancies found, reinstalled screen with new crush gasket P/N AN900-20. Cut and inspected filter element, no metal particles found, installed a new filter P/N AA48103-2. Complied with AD 80-04-03R2 by visual inspection then serviced engine with 5qts of Phillips Victory AW 20w-50. Removed ail the spark plugs, inspected, cleaned, gapped, tested and rotated then reinstalled with new gaskets. Installed new induction filter P/N BA-6108. Magneto timing checked good at 25 degrees BTDC. Ground run check good, no leaks noted. Work performed in reference to Lycoming MM and AC 43.13

I certify that this engine has been inspected in accordance with and 100-hour Inspection and was determined to be in airworthy condition

Sawyer Brill Sawyer J. Brill A&P 4318502 IA

	E-SMOH	Tach-	
1/10/24	827.1	6015.6	Ran engine to operating temperature, Removed top engine cowling, drained oil then removed oil filter. Complied with AD 80-04-03R2 by visual Inspection of oil filter element Installed a new filter P/N AA48103-2 and Serviced engine with 5qts phillips Victory 20w-50 oil. Reinstalled cowlings then performed post MX run-up operations checked good, no leaks found. Sawyer Brill A&P 4318502 IA
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02/18/2
Engine-N4739D

Inspected the E
77/80, Cyl.2 78
oil filter. Cleane
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found, installed
then serviced e
inspected, clea
timing checked
performed in re

I certify that this
was determined

Sawyer

3/20/24

05/01/20
Engine-N4739D

Inspected the En
78/80, Cyl.2 76/8
oil filter. Cleaned
with new crush g
found, installed a
then serviced en
inspected, clean
timing checked
performed in ref

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determined to b

No._____

D

02/18/2024 Tach: 6066.5 ET **n**

Engine-N4739D Cessna-172N

Inspected the Engine as part of a 100-Hour inspection. Performed a compression test: Cyl.1 77/80, Cyl.2 78/80, Cyl.3 79/80, Cyl.4 78/80. Drained oil then removed the suction screen and oil filter. Cleaned and inspected the suction screen, no discrepancies found, reinstalled screen with new crush gasket P/N AN900-20. Cut and inspected filter element, no metal particles found, installed a new filter P/N AA48103-2. Complied with AD 80-04-03R2 by visual inspection then serviced engine with 5qts of Phillips Victory AW 20w-50. Removed all the spark plugs, inspected, cleaned, gapped, tested and rotated then reinstalled with new gaskets. Magneto timing checked good at 25 degrees BTDC. Ground run check good, no leaks noted. Work performed in reference to Lycoming MM and AC 43.13

I certify that this engine has been inspected in accordance with and 100-hour Inspection and was determined to be in airworthy condition

Sawyer Brill Sawyer J. Brill A&P 4318502 IA

		SMOH	Tach	
3/20/24		927.8	6116.3	Drained oil. Installed new AA48103 oil filter. Serviced engine with 5 quarts of Phillips Victory oil. C/W recurring AD80-04-03R2 by visual inspection of oil filter element, and victory oil. Ground run up normal. No leaks noted

Donald W. Simmer A+P 3794236

05/01/2024 Tach: 6166.1 ETT-SMOH: 977.6 Annual Inspection

Engine-N4739D Cessna-172N S/N 17272346 Yr-1979

Inspected the Engine as part of a 100-Hour inspection. Performed a compression test: Cyl.1 78/80, Cyl.2 76/80, Cyl.3 78/80, Cyl.4 79/80. Drained oil then removed the suction screen and oil filter. Cleaned and inspected the suction screen, no discrepancies found, reinstalled screen with new crush gasket P/N AN900-20. Cut and inspected filter element, no metal particles found, installed a new filter P/N AA48103-2. Complied with AD 80-04-03R2 by visual inspection then serviced engine with 5qts of Phillips Victory AW 20w-50. Removed all the spark plugs, inspected, cleaned, gapped, tested and rotated then reinstalled with new gaskets. Magneto timing checked good at 25 degrees BTDC. Ground run check good, no leaks noted. Work performed in reference to Lycoming MM and AC 43.13

I certify that this engine has been inspected in accordance with and Annual Inspection and was determined to be in airworthy condition

Sawyer Brill Sawyer J. Brill A&P 4318502 IA

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
6/19/24		1040.7	6229.2	**TOTALS** brought forward from previous page
				Drained oil. Installed new AA48103 oil filter. Serviced engine with 6e quarts of Phillips Victory 20W50 oil. C/W recurring AD80-04-03R2 by visual inspection of oil filter element, and victory oil. Ground run up normal. No leaks noted. Donald W. Simmons A+P 3794236

07/14/2024 Tach: 6269.6 ETT-SMOH: 1081.1 100-Hour Inspection

Engine-N4739D Cessna-172N S/N 17272346 Yr-1979

Inspected the Engine as part of a 100-Hour inspection. Performed a compression test: Cyl.1 80/80, Cyl.2 79/80, Cyl.3 79/80, Cyl.4 78/80. Drained oil then removed the suction screen and oil filter. Cleaned and inspected the suction screen, no discrepancies found, reinstalled screen with new crush gasket P/N AN900-20. Cut and inspected filter element, no metal particles found, installed a new filter P/N AA48103-2. Complied with AD 80-04-03R2 by visual inspection then serviced engine with 6qts of Phillips Victory 20w-50. Removed all the spark plugs, inspected, cleaned, gapped, tested and rotated then reinstalled with new gaskets. Magneto timing checked good at 25 degrees BTDC. Ground run check good, no leaks noted. Work performed in reference to Lycoming MM and AC 43.13

I certify that this engine has been inspected in accordance with and 100-hour Inspection and was determined to be in airworthy condition

Sawyer J. Brill Sawyer J. Brill A&P 4318502 IA

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10/14/2024 Tach: 6369.3 ETT-SMOH: 1180.8 100-Hour Inspection

Engine- Lycoming 0-320-H2AD S/N **L-1871-76T** Yr-1979

Inspected the Engine as part of a 100-Hour inspection. Performed a compression test: Cyl.1 75/80, Cyl.2 75/80, Cyl.3 79/80, Cyl.4 77/80. Drained oil then removed the suction screen and oil filter. Cleaned and inspected the suction screen, no discrepancies found, reinstalled screen with new crush gasket P/N AN900-20. Cut and inspected filter element, no metal particles found, installed a new filter P/N AA48103-2. Complied with AD 80-04-03R2 by visual inspection then serviced the engine with 6 qts of Phillips Victory 20w-50. Removed all the spark plugs, inspected, cleaned, gapped, tested and rotated then reinstalled with new gaskets. Magneto timing checked good at 25 degrees BTDC. Installed new induction filter P/N BA-6108. Ground run check good, no leaks noted. Work performed in reference to Lycoming MM and AC 43.13

I certify that this engine has been inspected in accordance with and 100-hour Inspection and was determined to be in airworthy condition

Sawyer J. Brill A&P 4318502 IA

		SMOH -	Tach -	
11/11/24		1235.2	6423.7	Ran engine to operating temp. Removed engine Cowlings, drained oil and removed filter. Cut & Inspected filter Element, NDN, Installed new filter P/N AA48103-2 then serviced engine using 6qts Phillips Victory 20w-50 oil. Grand run Normal, No leaks Noted. Sawyer Brill A+P 4318502 IA

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01/20/2025 Tach: 6467.3 ETT-SMOH: 1278.8 100-Hour Inspection

Engine- Lycoming 0-320-H2AD S/N **L-1871-76T** Yr-1979

Inspected the Engine as part of a 100-Hour inspection. Performed a compression test: Cyl.1 77/80, Cyl.2 76/80, Cyl.3 78/80, Cyl.4 77/80. Drained oil then removed the suction screen and oil filter. Cleaned and inspected the suction screen, no discrepancies found, reinstalled screen with new crush gasket P/N AN900-20. Cut and inspected filter element, no metal particles found, installed a new filter P/N AA48103-2. Complied with AD 80-04-03R2 by visual inspection then serviced the engine with 6 qts of Phillips Victory 20w-50 Next compliance due at 6567.3 Tach time. Removed all the spark plugs, inspected, cleaned, gapped, tested and rotated then reinstalled with new gaskets. Magneto timing checked good at 25 degrees BTDC.Installed new intake hoses P/N LW-18101 and gaskets P/N 71973 on all cylinders. Removed Carburetor Model - MA-4SPA P/N 10-5135 S/N CK-3-6514 then installed Serviceable Carb. (243.46hrs SMOH) Model MA-4SPA P/N 10-5217 S/N MS11B206 with new gasket P/N 66224, Rigged engine controls in reference to Cessna Service manual yr1979. Ground run check good, no leaks noted. Work performed in reference to Lycoming MM and AC 43.13

I certify that this engine has been inspected in accordance with and 100-hour Inspection and was determined to be in airworthy condition

Sawyer J. Brill A&P 4318502 IA

02/09/2025 Tach: 6486.0 AFTT: 12196.6

Airframe-N4739D Cessna-172N S/N 17272346 Yr-1979

Engine- Lycoming 0-320-H2AD S/N **L-1871-76T** ENG SMOH- 1297.5

Engine failure during flight: Inspected engine, determined Dual magneto had failed. Removed failed magneto P/N 10-682555-14R (D4RN-3000) S/N B-02076. Installed approved overhauled Magneto P/N 10-382555-14 (D4RN-2021) S/N 29846K. Installed all new spark plugs P/N RHM38E in Reference to Cessna 172 Skyhawk Series 1979 Service manual and Lycoming O-320 H-series Service manual. Performed post maintenance engine Run-up, Operations checked good, no leaks found.

Donald W. Simmons Donald W. Simmons A&P 3794236 IA

Eagle's Nest Flight Services
249 Aero Dr. Waynesboro, VA 22980

N4739D Engine Date: 10-20-2025 Tach: 6517.6 ETT: unknown ETSMO: 1329

Drained oil. Removed and cut open oil filter to check for contaminants—normal findings. Removed, checked, and cleaned oil suction screen, and reinstalled with new crush washer. Installed new AA48103 oil filter. Serviced engine with six quarts of Phillips Victory 20W50 oil. Complied with recurring AD80-04-03R2 by the above procedures, due again by tach: 6567.6.

Arthur W. Salatin Arthur W. Salatin A&P 2221823

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DA **01/16/2026 Tach: 6568.2 ETSMOH: 1379.7 100 HOUR INSPECTION**

Compressions @80psi #1-78, #2-76, #3-77, #4-78. Drained oil. Installed new AA48103 oil filter. Serviced engine with 6 quarts Phillips Victory AW 20W50 oil. Complied with recurring AD80-04-03R2 particle inspection by visual inspection and Victory oil. Re-set magneto to 25deg. Re-secured Sky-Tec starter housing bolts. Ground run up normal. No leaks noted. References, Lycoming MM, AC 43.13.

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

Donald W. Simmons Donald W. Simmons A&P 3794236

Eagle's Nest Flight Services
249 Aero Dr. Waynesboro, VA 22980

N4739D Engine Date: 7-27-2026 Tach: 6620.8 ETT: unknown ETSMO: 1432.2

Drained oil. Removed and cut open oil filter to check for contamination—normal findings. Installed new AA48103-2 oil filter. Serviced engine with six quarts of Phillips Victory 20W50 oil Ground run-up was normal, no leaks noted.

Arthur W. Salatin Arthur W. Salatin A&P 2221823

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