

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

Logbook Entry

July 9, 2024

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7966.1 TTSMOH: 2673.7 TTENG: 6534.3

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual D972C3-13 section 2, page 2-22 through 2-25 Inspection Check List.
- Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: **77, 78, 80, 76.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Removed and replaced cylinder 3 due to a broken exhaust stud with an overhauled Superior cylinder assembly using a new piston pin assembly Superior part number SL13444-1 (LW14078) from Phils Cylinder Service in accordance with the Lycoming Overhaul Manual Direct Drive section 6, CYLINDERS, PISTONS AND VALVE TRAIN.
- Checked magneto to engine timing in accordance with the Cessna Service Manual Section 11 Engine, 11-52 as a guide. (Slick magnetos are installed, timing pin used for internal magneto rotation.)
- Removed and reinstalled engine due to engine mount repair in accordance with the Cessna Service Manual D972C3-13 section 11 Engine, 11-10 through 11-15 with reference to figure 2 for Torque Engine-To Mount. Accomplished an engine run up with no leaks or any other discrepancies noted.
- Adjusted idle speed and mixture as required in accordance with the Cessna Service Manual Section 11, 11-45 Idle Speed and Mixture Adjustments.
- Performed an engine run required by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure, Cylinder, and oil temperature, indicated and operated satisfactory in accordance with the manufacture's recommendations.

See Airworthiness Directive compliance documents.

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

Jahn Knight A/P 4425382

D:

Logbook Entry

September 09, 2024

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 8064.0 TTSMOH: 2771.6 TTENG: 6632.2

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual D972C3-13 section 2, page 2-22 through 2-25 Inspection Check List.
- Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: **62, 73, 76, 74.**
- Drained oil and replaced oil filter with a "Tempest" AA48108-2 oil filter in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3.
- Cut oil filter open and inspected with no discrepancies noted, inspected oil screen with no discrepancies noted, in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned and gapped spark plugs in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-60 Spark Plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Checked magneto to engine timing in accordance with the Cessna Service Manual Section 11 Engine, 11-52 as a guide. (Slick magnetos are installed, timing pin used for internal magneto rotation.)
- Adjusted idle speed and mixture as required in accordance with the Cessna Service Manual Section 11, 11-45 Idle Speed and Mixture Adjustments.
- Performed an engine run required by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure, Cylinder, and oil temperature, indicated and operated satisfactory in accordance with the manufacture's recommendations.

See Airworthiness Directive compliance documents.

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

Jahn Knight A/P 4425382

7/31/2024	Engine Log Entry	N640MG
Make: Lycoming Tach: 7989.1		
Model: O-320-E2D		
S/N: L-41934-27A		
Drained oil and removed oil filter. Replaced filter with new Tempest AA48108-2 oil filter. Serviced engine with 7 quarts Phillips X/C 20w50 and one bottle Avblend oil additive. Performed an engine run and leak check with no discrepancies.		
END		
Jahn Knight A&P 4425382		

Reg: N640MG
Date: 08/22/2024
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Tach: 8026.9
TSMOH: 2734.5
TTENG: 6593.5

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.

Jahn Ashley Knight A/P 4425382

THIS PAGE TOTALS

PREVIOUS TOTALS

TOTALS SINCE NEW

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD							
Reg: N640MG			Tach: 7743.0				
Date: 02/17//2024			TSMOH: 2450.6				
Make: Lycoming			TTENG: 6309.2				
Model: O-3320-E2D							
S/N: L-41934-27A							
Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.							
Jahn Ashley Knight A/P 4425382							

Reg: N640MG	Tach: 7836.2	
Date: 04/25//2024	TSMOH: 2543.8	
Make: Lycoming	TTENG: 6402.8	
Model: O-320-E2D		
S/N: L-41934-27A		
Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.		
Jahn Ashley Knight A/P 4425382		

Logbook Entry

February 27, 2024

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7760.1 TTSMOH: 2467.7 TTENG: 6326.3

- Replaced engine starter with an overhauled Prestolite Starter part number MZ-4222 serial number A310137 in accordance with the Cessna Service Manual (D972-13) section 11, 11-72 Removal And Installation.

Jahn Knight A/P 4425382

Logbook Entry

March 13, 2024

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7784.0 TTSMOH: 2491.6 TTENG: 6350.2

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: **70, 79, 72, 79.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Adjusted idle speed and mixture as required in accordance with the Cessna Service Manual Section 11, 11-45 Idle Speed and Mixture Adjustments.
- Performed an engine run required by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure, Cylinder, and oil temperature, indicated and operated satisfactory in accordance with the manufacture's recommendations.

See Airworthiness Directive compliance documents.

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

Jahn Knight A/P 4425382

Logbook Entry

May 22, 2024

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7868.2 TTSMOH: 2575.8 TTENG: 6436.4

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual D972C3-13 section 2, page 2-22 through 2-25 Inspection Check List.
- Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: **77, 79, 79, 77.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Checked magneto to engine timing in accordance with the Cessna Service Manual Section 11 Engine, 11-52 as a guide. (Slick magnetos are installed, timing pin used for internal magneto rotation.)
- Replaced lower right engine isolator with part number J-9613-49 in accordance with the Cessna Service Manual section 11 Engine, 11-15 Installation with reference to figure 11-2.
- Adjusted idle speed and mixture as required in accordance with the Cessna Service Manual Section 11, 11-45 Idle Speed and Mixture Adjustments.
- Performed an engine run required by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure, Cylinder, and oil temperature, indicated and operated satisfactory in accordance with the manufacture's recommendations.

See Airworthiness Directive compliance documents.

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

Jahn Knight A/P 4425382

Reg: N640MG Tach: 7919.6
Date: 06/10//2024 TSMOH: 2627.2
Make: Lycoming TTENG: 6486.2
Model: O-320-E2D
S/N: L-41934-27A

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.

Jahn Knight A/P 4425382

Section 3A: Engine Service and Maintenance Log

Logbook Entry

November 18, 2023

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7536.6 TTSMOH: 2332.0 TTENG: 6146.7

- Reported excessive magneto drop during run up.
- Cleaned and gapped all spark plugs.
- Replaced Left magneto with a "Overhauled" Kelly Aero, LLC part number 4371 serial number L-07193 in accordance with the Cessna Service Manual D972-13 section 11, 11-52.
- Replaced "Right" Ignition harness with a "New" Kelly Aero LLC, part number KA14001.
- Accomplished an engine run up and test of left and right magneto operation with no discrepancies noted.

Jahn Ashley Knight A/P 4425382

[Signature]

Reg: N640MG

Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Date: 11/29/2023
Tach: 7607.2
TTSMOH: 2402.6

Drained oil and removed oil filter. Replaced oil filter with Tempest AA48108-2 oil filter. Serviced engine with 8 quarts Phillips XC 20w50 oil and one can Avblend oil additive. Performed operational check of engine with no leaks or other discrepancies noted.

Jahn Knight A/P 4425382

[Signature]

Logbook Entry

December 15, 2023

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7628.2 TTSMOH: 2335.8 TTENG: 6194.4

- Accomplished an **annual** inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **70, 79, 77, 79.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Replaced induction air filter with **Bracket part number BA6108.**
- Cleaned, gapped, and rotated spark plugs.
- Replaced all intake hoses with Lycoming part number 69603 and induction tube gaskets with Lycoming part number 71973.
- Replaced muffler with part number 1754001-25 using new hardware and exhaust gasket's part number 77611.
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

[Signature]

Logbook Entry

December 22, 2023

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7648.4 TTSMOH: 2356.0 TTENG: 6214.6

- Removed and replaced alternator with an "Overhauled" Ford alternator part number DOFF10300J serial number 0032265 in accordance with the Cessna Service Manual section 16, 16-41 Removal And Installation (Belt Driven Alternator).
- Accomplished an engine run up and alternator system test in accordance with the Cessna Service Manual section 16, 16-45 Alternator Voltage Regulation.

Jahn Ashley Knight A/P 4425382

[Signature]

Reg: N640MG

Date: 01/16/2024
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Tach: 7436.1
TSMOH: 2389.5
TTENG: 6248.1

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48108-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.

Jahn Knight A/P 4425382

[Signature]

Logbook Entry

January 28, 2024

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7692.7 TTSMOH: 2400.3 TTENG: 6258.9

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: **75, 75, 78, 80.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Checked magneto to engine timing in accordance with the Cessna Service Manual Section 11 Engine, 11-52 as a guide. (Slick magnetos are installed, timing pin used for internal magneto rotation.)
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

Jahn Knight A/P 4425382

[Signature]

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)

September 12, 2023

Logbook Entry

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7396.1 TTSMOH: 2103.7 TTENG: 5962.3

- Accomplished a borescope of all cylinders due to higher-than-normal oil consumption. Found cylinder 3 with glazed cylinder walls.
- Removed and replaced cylinder 3 with an overhauled Superior cylinder assembly using a new piston pin assembly Superior part number SL13444-1(LW14078) from J&J Air Parts, Inc. Repair Station No. JE2R921K in accordance with the Lycoming Overhaul Manual Direct Drive section 6, CYLINDERS, PISTONS AND VALVE TRAIN.
- Replaced cylinder 1 exhaust riser with part number A1754010-1 (073687-00) in accordance with the Cessna Service Manual section 11, 11-24.
- Replaced cylinder 1 and 3 intake hoses with part number Lycoming 69603.
- Replaced cylinder 1 and 3 oil return hoses with Lycoming part number STD-1821.
- Replaced cylinder 1 and 3 induction tube gaskets with Lycoming part number 71973.
- Replaced all exhaust gaskets with part number 77611 using new installation hardware.
- Replaced carburetor Airbox Assembly with a repaired assembly part number 0552113-13 serial number 022763 and adjusted carburetor heat control in accordance with the Cessna Service Manual section 11, 11-66 Carburetor Heat Control.
- Serviced engine with 8 quarts Aeroshell 100w mineral oil.
- Performed an engine run up and carburetor heat check with no leaks or any other discrepancies noted.

Jake Kuprion 4687733 A/P

Date: 9/26/2023
Tach: 7436.1
TTSMOH: 2143.7

Reg: N640MG

Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Drained oil and removed oil filter. Replaced oil filter with Tempest AA48108-2 oil filter. Serviced engine with 8 quarts Phillips XC 20w50 oil and one can Avblend oil additive. Performed operational check of engine with no leaks or other discrepancies noted.

Jahn Knight A/P 4425382

October 3, 2023

Logbook Entry

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7447.7 TTSMOH: 2155.3 TTENG: 6013.9

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **79, 78, 79, 76.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

D. Berg

November 7, 2023

Logbook Entry

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7536.6 TTSMOH: 2244.2 TTENG: 6102.8

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **75, 75, 72, 79.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced 4 spark plugs with REM40E.
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

D. Birj

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CARRY FORWARD to Top of Next Page

DATE	TIME DIAL	TIME	CYCLES
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June 7, 2023

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7161.8 TTSMOH: 1869.4 TTENG: 5728.0

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **74, 76, 78, 75.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced oil dip stick tube.
- Replaced and repaired rubber engine cooling baffle material.
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

Reg: N640MG	Tach: 7216.4
Date: 07/07/2023	TSMOH: 1924.0
Make: Lycoming	TTENG: 5782.6
Model: O-320-E2D	
S/N: L-41934-27A	

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

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FORMED:
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July 20, 2023

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7251.8 TTSMOH: 1959.4 TTENG: 5818.0

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **69, 79, 74, 79.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

D. Berg

Reg: N640MG
Date: 08/04/2023
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Tach: 7216.4
TSMOH: 2013.2
TTENG: 5871.8

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

August 23, 2023

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7351.0 TTSMOH: 2058.6 TTENG: 5917.2

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **71, 72, 79, 76.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

D. A. _____

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
BROUGHT FORWARD						

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)

Logbook Entry

March 6, 2023

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1578.3 TTSMOH: 1675.9 TTENG: 5534.5

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: 74, 76, 68, 79.
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Replaced oil cooler to engine oil line with a new TSO C53a Type a line part number 111417-690230.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with Bracket part number BA6108.
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

D. Birgmann

Reg: N64461
Date: 03/30/2023
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A
Tach: 1625.3
TSMOH: 1722.9
TTENG: 5581.5

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Logbook Entry

April 10, 2023

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1661.2 TTSMOH: 1758.8 TTENG: 5617.4

- Removed and replaced alternator with an overhauled Ford alternator part number DOFF10300J serial number A230410 in accordance with the Cessna Service Manual Electrical Systems section 16-41 (a.-j.).
- Accomplished an engine run up and tested alternator with normal operation.

David Birgmann A/P 3958469 I/A

D. Birgmann

Logbook Entry

April 18, 2023

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1673.8 TTSMOH: 1770.8 TTENG: 5629.4

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: 74, 74, 74, 78.
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced lower spark plugs on #1 and #4 cylinders with UREM40E.
- Repaired broken primer line with reference to AC43.13-1B.
- Replaced induction air filter with Bracket part number BA6108.
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

D. Birgmann

Reg: N640MG
Date: 05/09/2023
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A
Tach: 1715.9
TSMOH: 1812.9
TTENG: 5672.1

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Logbook Entry

MAY 22, 2023

Reg: N640MG Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 7124.8 TTSMOH: 1837.7 TTENG: 5696.3

- Removed and replaced starter with "Overhauled" Prestolite Starter part number MZ-4222 serial number 2L000592 in accordance with the Cessna Service Manual section 11-72.

David Birgmann A/P 3958469 I/A

D. Birgmann

Logbook Entry

December 26, 2022

IRMED:

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1429.2 TTSMOH: 1526.8 TTENG: 5385.4

- Accomplished an annual inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **77, 78, 68, 79.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Replaced all induction tube gaskets with part number 71973.
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

[Signature]

Logbook Entry

January 5, 2023

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1432.5 TTSMOH: 1530.1 TTENG: 5388.7

- Replaced left magneto due to internal failure with an overhauled magneto part number 4371 serial number K-09301 in accordance with the Cessna Service Manual section 11-19 paragraph 11-54.
- Replaced engine ignition harness with a new Kelly Aero LLC harness assembly part number KA14001.
- Performed an engine run up and magneto operational check in accordance with the Cessna Service Manual section 11-19 paragraph 11-59 with no discrepancies noted.

David Birgmann A/P 3958469 I/A

[Signature]

Logbook Entry

January 10, 2023

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1455.3 TTSMOH: 1552.9 TTENG: 5411.5

- Removed and replaced starter with an overhauled Prestolite Starter part number MZ-4222 serial number A138999 in accordance with the Cessna Service Manual.

David Birgmann A/P 3958469 I/A

[Signature]

Logbook Entry

January 26, 2023

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1479.0 TTSMOH: 1576.6 TTENG: 5435.2

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **74, 74, 65, 79.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

[Signature]

Reg: N64461 Tach: 11531.7
Date: 02/16/2023 TSMOH: 1629.3
Make: Lycoming TTENG: 5487.9
Model: O-320-E2D
S/N: L-41934-27A

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)	Logbook Entry	November 09, 2022	ENCE: E or I/ACA
	HOURS	min	HOURS	min	Sub Total	TOTAL				
BROUGHT FORWARD										

Logbook Entry

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1247.2 TTSMOH: 1344.8 TTENG: 5203.4
October 3, 2022

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **75, 66, 64, 76.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced #1-cylinder intake tube gasket.
- Replaced oil tube dip stick gasket.
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

D. B.

Reg: N64461
Date: 10/19/2022
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Tach: 101.4
TSMOH: 1475.9
TTENG: 5332.5

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Logbook Entry

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1328.1 TTSMOH: 1425.7 TTENG: 5284.3
November 5, 2022

- Replaced alternator with an overhauled part number DOFF10300J serial number A211062 in accordance with the Cessna Service Manual chapter 16-40.
- Adjusted engine oil pressure in accordance with the Lycoming Overhaul manual and oil pressure indication is within the required ranges in accordance with the Cessna Service Manual chapter 11-3.

David Birgmann A/P 3958469 I/A

D. B.

Logbook Entry

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1336.8 TTSMOH: 1434.4 TTENG: 5293.0

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **75, 72, 68, 79.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Installed a FAA/PMA approved "REIF" Hot Strip Oil Sump Heater in accordance with "REIF" installation & operating instructions document Inst HS2018-09.doc. This installation is a minor alteration and does not require an STC or FAA form 337.
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

D. B.

Reg: N64461
Date: 11/28/2022
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Tach: 1384.4
TSMOH: 1482.0
TTENG: 5340.6

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Logbook Entry

January 16, 2023

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1464.5 TTSMOH: 1562.1 TTENG: 5420.7

- Removed and replaced alternator with an overhauled Ford alternator part number DOFF10300J serial number 0032265 in accordance with the Cessna Service Manual Electrical Systems section 16-41 (a.-j.).
- Accomplished an engine run up with normal alternator operation.

David Birgmann A/P 3958469 I/A

D. B.

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
Reg: N64461						
Date: 07/05/2022						
Make: Lycoming						
Model: O-320-E2D						
S/N: L-41934-27A						
Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.						
David Birgmann A/P 3958469						

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)

Logbook Entry

August 24, 2022

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1144.8 TTSMOH: 1242.4 TTENG: 5101.0

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **75, 75, 68, 78.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped, and rotated spark plugs.
- Replaced induction air filter with **Bracket part number BA6108.**
- Replaced starter with an overhauled Prestolite starter part number MZ4218 serial number H-O00523.
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

Reg: N64461 Tach: 1211.7
Date: 09/20/2022 TSMOH: 1386.2
Make: Lycoming TTENG: 5242.8
Model: O-320-E2D
S/N: L-41934-27A

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Logbook Entry

July 18, 2022

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 1049.2 TTSMOH: 1146.8 TTENG: 5005.4

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **78, 76, 68, 78.**
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped and rotated spark plugs.
- Replaced induction air box with a "Repaired" airbox part number **0552113-13** and adjusted carburetor heat cable in accordance with the Cessna Service Manual.
- Cleaned and flushed oil cooler.
- Replaced induction air filter with **Bracket part number BA6108.**
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

Reg: N64461 Tach: 1095.5
Date: 07/28/2022 TSMOH: 1270.0
Make: Lycoming TTENG: 5126.6
Model: O-320-E2D
S/N: L-41934-27A

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
BROUGHT FORWARD						

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)

Logbook Entry

Date: April 23, 2022
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Reg: N64461
Tach: 763.0
TTSMOH: 860.6
TT ENG: 4719.2

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list. Performed a compression check: **70, 78, 69, 79**. Drained oil and replaced oil filter with a CH48110-1 oil filter, removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted. Serviced engine with 7 quarts Aeroshell 100w oil and one pint "Avblend" oil additive, cleaned, gapped and rotated spark plugs, tightened all induction hose clamps, tightened all rocker box covers screws, replaced induction air filter with **Bracket part number BA6108**. Performed an engine run with no leaks or any other discrepancies noted. See AD compliance documents.

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

David Birgmann A/P 3958469 I/A

[Signature]

Reg: N64461
Date: 05/09/2022
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Tach: 817.8
TSMOH: 916.9
TTENG: 4773.5

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

THIS PAGE
TOTALS
PREVIOUS
TOTALS
TOTALS
SINCE NEW

CARRY FORWARD to Top of Next Page

Logbook Entry

May 20, 2022

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 860.8 TTSMOH: 958.4 TTENG: 4817.0

- Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **70, 78, 69, 79**.
- Drained oil and replaced oil filter with a AA48110-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped and rotated spark plugs.
- Tightened all induction hose clamps, tightened all rocker box covers screws.
- Replaced induction air filter with **Bracket part number BA6108**.
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

[Signature]

Logbook Entry

June 19, 2022

Reg: N64461 Make: Lycoming Model: O-320-E2D Serial Number: L-41934-27A
Tach Time: 960.0 TTSMOH: 1057.6 TTENG: 4916.2

- Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list.
- Performed a compression check: **78, 76, 68, 78**.
- Drained oil and replaced oil filter with a AA48108-2 oil filter.
- Removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive.
- Cleaned, gapped and rotated spark plugs.
- Replaced #2-cylinder rocker cover gasket.
- Replaced induction air filter with **Bracket part number BA6108**.
- Performed an engine run with no leaks or any other discrepancies noted.

See Airworthiness Directive compliance documents.

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

David Birgmann A/P 3958469 I/A

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD							
Reg: N64461 Date: 11/19/2021 Make: Lycoming Model: O-320-E2D S/N: L41934-27A			Tach: 600.1 TSMOH: 698.2 TTENG: 4555.8				
Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100w oil. Performed an engine run with no leaks or any other discrepancies noted.							
David Birgmann A/P 3958469							

Logbook Entry

Date: December 2, 2021
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Reg: N64461
Tach: 640.1
TTSMOH: 737.7
TT ENG: 4596.3

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list. Performed a compression check: **73, 80, 63, 79**. Drained oil and replaced oil filter with a CH48110-1 oil filter, removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted. Serviced engine with 7 quarts Aeroshell 100w oil and one can Avblend oil additive. Replaced spark plugs with new UREM40E spark plugs, tightened all induction hose clamps, tightened all rocker box covers screws, replaced induction air filter with **Bracket part number BA6108**. Performed an engine run with no leaks or any other discrepancies noted. See AD compliance documents.

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

David Birgmann A/P 3958469 I/A

Logbook Entry

Date: December 29, 2021
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Reg: N64461
Tach: 678.9
TTSMOH: 776.5
TT ENG: 4635.1

Accomplished an Annual inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list. Performed a compression check: **72, 65, 79, 79**. Drained oil and replaced oil filter with a AA48110-2 oil filter, removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted. Serviced engine with 7 quarts Aeroshell 100w oil and one can Avblend oil additive. Cleaned and gapped spark plugs, replaced exhaust gaskets with part number 77611 including exhaust nuts with part number STD-1410, replaced intake gaskets with part number 71973, replaced helicoil in lower #3 spark plug position, tightened all induction hose clamps, tightened all rocker box covers screws, replaced induction air filter with **Bracket part number BA6108**, repaired engine heater plug. Performed an engine run with no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with an Annual inspection and found to be in an airworthy condition.

David Birgmann A/P 3958469 I/A

Logbook Entry

Date: January 25, 2022
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Reg: N64461
Tach: 730.8
TTSMOH: 828.4
TT ENG: 4687.0

Removed and replaced alternator with "Repaired" Ford alternator part number DOFF10300J serial number 93218 in accordance with the Cessna Service Manual. Accomplished an engine run with alternator operation normal.

David Birgmann A/P 3958469 I/A

Reg: N64461
Date: 01/25/2022
Make: Lycoming
Model: O-320-E2D
S/N: L41934-27A

Tach: 730.8
TSMOH: 828.9
TTENG: 4686.5

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100W oil. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Section 3A: Engine Service and Maintenance Log

A1

DATE	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
2021						
BROUGHT FORWARD						

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)

Logbook Entry

Date: October 27, 2021
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Reg: N64461
Tach: 554.2
TTSMOH: 651.8
TT ENG: 4510.4

Logbook Entry

Date: September 20, 2021
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Reg: N64461
Tach: 473.2
TTSMOH: 570.8
TT ENG: 4429.4

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list. Performed a compression check: **77, 66, 73, 79** inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted, service engine with 7 quarts "Phillips" 20w50w oil and one can Avblend oil additive, cleaned and gapped spark plugs, tightened all induction hose clamps, tightened all rocker box covers screws, replaced induction air filter with **Bracket p/n BA6108**, replaced carburetor heat scatt tubing, secured mixture cable and adjusted in accordance with the Cessna Service Manual, Performed an engine run with no leaks or any other discrepancies noted. See AD compliance documents.

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual inspection check list. Performed a compression check: **72, 50, 72, 80**. Drained oil and replaced oil filter with a CH48110-1 oil filter, removed oil screen and inspected with no discrepancies noted, cut oil filter open and inspected with no discrepancies noted. Replaced #2 cylinder Lycoming engine's part number AEL65102 serial number AC19LA674 and "New" piston pin part number AEL14077-1 in accordance with the Lycoming overhaul manual, serviced engine with 7 quarts Aeroshell 80w mineral oil. Cleaned and gapped spark plugs, tightened all induction hose clamps, tightened all rocker box covers screws, replaced induction air filter with **Bracket part number BA6108**. Performed an engine run with no leaks or any other discrepancies noted. See AD compliance documents.

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

David Birgmann A/P 3958469 I/A

D. Birgmann

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

David Birgmann A/P 3958469 I/A

D. Birgmann

Reg: N64461
Date: 11/05/2021
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Tach: ~~570.8~~ 576.3
TSMOH: 693.9
TTENG: 4552.5

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Aeroshell 100w mineral oil.a. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

Reg: N64461
Date: 11/09/2021
Make: Cessna
Model: 172M
S/N: 17265248

Tach: 584.7
TTAF: 4540.9

Removed and replaced left push to talk switch (PTT). Accomplished a functional check with no discrepancies noted.

David Birgmann A/P 3958469

Reg: N64461
Date: 10/10/2021
Make: Lycoming
Model: O-320-E2D
S/N: L-41934-27A

Tach: 513.8
TSMOH: 611.4
TTENG: 4470.0

Drained oil and removed oil filter. Replaced oil filter with a Tempest AA48110-2 oil filter. Serviced engine with 8 quarts Phillips 20w50w oil and one can Avblend oil additive. Performed an engine run with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469

THIS PAGE TOTALS
PREVIOUS TOTALS
TOTALS SINCE NEW

ENGINE DATA

1. Make Lycoming
2. Model O-320-E2D
3. Specification _____
4. Manufacturer's Serial Number L-41934-27A
5. Date of Manufacture _____
Date of overhaul
8/17/2017



The Standard
ENGINE LOG

ASA-SF-1

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June 23, 2021 Tach 230.1 SMOH 327.7 Lycoming IO-320-E2D S/N L-41934-27A

Drained engine oil and replenished with 7 quarts of Phillips 20W-50 and one pint of Avblend. Installed new oil filter Tempest P/N AA48108-2.

Ran engine and performed leak check- No defects noted. Oil change due again in 50 hours at Tach 280.1



Brittany Stamper A&P 4507063

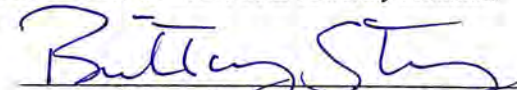
July 17, 2021 Tach 279.4 SMOH 377 Lycoming O-320-E2D S/N L-41934-27A Reg. N64461

Conducted a 100 Hour inspection IAW FAR 43.13 Appendix D. Compression test results: 1) 67/80 2) 63/80 3) 68/80 4) 78/80. Cleaned and rotated spark plugs. Ignition timing set at 25 degrees BTC. Drained engine oil and replenished with 7 quarts Phillips 20W50 and one pint of Avblend. Installed new oil filter Tempest P/N AA48108-2. Took oil sample for analysis.

There are no recurring ADs on this engine at this time.

Ran engine and performed leak check- No defects noted. Oil change due again in 50 hours at Tach 329.4

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

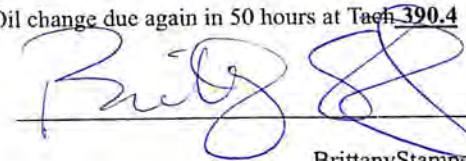


Brittany Stamper A&P 4507063

August 2, 2021 Tach 340.4 SMOH 438 Lycoming IO-320-E2D S/N L-41934-27A

Drained engine oil and replenished with 7 quarts of Phillips 20W-50 and one pint of Avblend. Installed new oil filter Tempest P/N AA48108-2.

Ran engine and performed leak check- No defects noted. Oil change due again in 50 hours at Tach 390.4



Brittany Stamper A&P 4507063

March 4, 2021 Tach 46.1 SMOH 143.7 Lycoming IO-320-E2D S/N L-41934-27A

Drained engine oil and replenished with 7 quarts of Phillips 20W-50 and one pint of Avblend. Installed new oil filter Tempest P/N AA48108-2.

Ran engine and performed leak check- No defects noted. Oil change due again in 50 hours at Tach 96.1

Tony Wolfe TW A&P 4359527

March 26, 2021 Tach 91.5 SMOH 189.1 Lycoming O-320-E2D S/N L-41934-27A Reg. N64461

Conducted a 100 Hour inspection IAW FAR 43.13 Appendix D. Compression test results: 1) 74/80 2) 70/80 3) 76/80 4) 77/80. Cleaned and rotated spark plugs. Ignition timing set at 25 degrees BTC. Drained engine oil and replenished with 7 quarts Phillips 20W50 and one pint of Avblend. Installed new oil filter Tempest P/N AA48108-2. Installed new Hartzell starter P/N 149NL. Installed new bracket air filter P/N BA-6108.

There are no recurring ADs on this engine at this time.

Ran engine and performed leak check- No defects noted. Oil change due again in 50 hours at Tach 141.5

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

Tony W. TW A&P 4359527

May 26, 2021 Tach 187.2 SMOH 284.8 Lycoming O-320-E2D S/N L-41934-27A Reg. N64461

Conducted a 100 Hour inspection IAW FAR 43.13 Appendix D. Compression test results: 1) 78/80 2) 75/80 3) 79/80 4) 79/80. Cleaned and rotated spark plugs. Ignition timing set at 25 degrees BTC. Drained engine oil and replenished with 7 quarts Phillips 20W50 and one pint of Avblend. Installed new oil filter Tempest P/N AA48108-2. Installed new oil cooler hose.

There are no recurring ADs on this engine at this time.

Ran engine and performed leak check- No defects noted. Oil change due again in 50 hours at Tach 237.2

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

Tony W. TW A&P 4359527

April 21, 2021 Tach 135.7 SMOH 233.3 Lycoming IO-320-E2D S/N L-41934-27A N64461

Drained engine oil and replenished with 7 quarts of Phillips 20W-50 and one pint of Avblend. Installed new oil filter Tempest P/N AA48108-2. Installed new air filter P/N BA-6108.

Ran engine and performed leak check- No defects noted. Oil change due again in 50 hours at Tach 185.7

Tony W. TW A&P 4359527

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.)
				Pelican Aviation Inc. 10-10-19 N64461 Tach: 3918.3 TSOH 63.7 Compression: (1)74 (2)70 (3)75 (4)74 Drained oil removed filter cut open no metal noted. Installed new AA48108-2 filter. Serviced engine with 7 quarts Aeroshell 15w50. Cleaned gapped and rotated spark plugs. Inspected and lubricated engine controls. Inspected exhaust and intake systems. Installed overhauled Rapco vacuum pump PN 211CC SN 187265. No AD's due at this time. Test ran engine all operations normal. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. William E Bell Jr. 3670752 A&P <i>William E Bell Jr.</i> I certify that this engine was inspected IAW an annual inspection and was determined to be in airworthy condition. Zachary Braddock 3310705 IA <i>Zachary Braddock</i>

[illegible]

Overhauled
TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 23384
DATE 08/17/2017

MAKE Lycoming MODEL O-320-E2D
S/N L-41934-27A ENGINE TOTAL TIME _____
TSMOH 0.0 TBO 2000



Triad Aviation, Inc.
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

[Signature]
Authorized Signature
08/17/2017
Date

Test ran Lycoming O-320-E2D engine serial number L-41934-27A for 2 hours 15 minutes, RPM 2700, oil pressure 78 lbs, oil temperature 190 degrees, CHT 346. Magneto check at 2100 RPM, L 150 RPM, R 150 RPM. Compression test cylinder #1 78/80 #2 77/80 #3 78/80 #4 77/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION# PP4R448M. wo# 23384
Signed: *[Signature]* Date: 08/17/2017

Flying Leaf Aviation LCC 2222 Pilots View Rd. HBI Asheboro NC (336) 626-3600

DATE	REG #	TACH	TTAF	ELT Due	TTE	SMOH	TTP	PSMOH	XPOND Due
5Sept17	N64461	3854.6	3854.6	Dec2018	3854.6	0	3854		5-2017

Annual Inspection performed in accordance with FAR43 Appendix "D". All routine lube and servicing done. Oil and filter changed at this time. Engine serviced with 8 qts A/S 100 Mineral. Engine reinstalled after overhaul by CRS# PP4R448M, under their WO#23384 dated 8/17/2017. Referenced Lycoming Bulletin for break in procedures.

Engine washed, controls lubed. Engine ground run, leak and systems check satisfactory. All AD's current and complied with. I certify this engine has been inspected in accordance with an Annual Inspection and is in airworthy condition.

Louis J. Pugliese, Jr.
A&P3164617IA
[Signature]

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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Concord Air Center
8700 Aviation Blvd., Concord, NC 28027 (704) 262-9646

DATE: 6/27/2016 REG: N64461 MAKE:Cessna MODEL:172M SN:17265248 TACH:3726.0
Performed an annual inspection of this ENGINE I/A/W FAR Part 43 Appendix D in scope and detail. Compressions are as follows 1)75/80, 2)75/80, 3)70/80, 4)74/80. Cleaned, gapped, tested and rotated spark plugs. Drained oil and removed and inspected oil filter no foreign material found. Installed 8 qrts aeroshell 15W50 & installed new tempest AA48108. AD search found AD's current to date. Ground run engine and check for leaks and proper operation. I certify this ENGINE has been inspected in accordance with an annual inspection and may be returned to service at this time. -END-

Joseph N. Stewart


3293400 IA

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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Concord Air Center
8700 Aviation Blvd., Concord, NC 28027 (704) 262-9646

DATE: 6/27/2016 REG: N64461 MAKE:Cessna MODEL:172M SN:17265258 TACH:3726.0
Performed an annual inspection on this PROPELLER I/A/W FAR Part 43 Appendix D in scope and detail. I certify this propeller has been inspected in accordance with an annual inspection and may be returned to service at this time. -END-

Joseph N. Stewart


3293400 IA

[illegible]

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.)
				Concord Air Center, Inc. 8700 Aviation Blvd. Concord, NC 28207 704-262-9646 N64461 1/12/2016 Make: Cessna Model:172M S/N: 17265248 Tach: 3704.1 Hobbs: 4251.3 Installed new Zeftronics alternator controller P/N R15100 REV A S/N 413155. Ground run operational check normal.(END) <i>Michael W Dockery</i> Michael W Dockery JR A&P# 3639006

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.)



Aircraft- N64461

Date- May 06, 2014

Log- Propeller

Tach- 3601.1

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

Daniel L. Rembach

Daniel L. Rembach A&P 308767165 IA

YEAR 20 <u>13</u> 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.)
4/14	3430.3			Oil Change by OWNER <i>Villy Fur</i>
6/19	3454.3			Oil Change by " <i>Villy Fur</i>
7/31	3476.4			Oil Change by " <i>Villy Fur</i>
9/6	3499.8			Oil Change by " <i>Villy Fur</i>
9/22	3524.7			Oil Change by " <i>Villy Fur</i>
10/28	3551.8			Oil Change by " <i>Villy Fur</i>
12/13	3574.7			Oil Change by " <i>Villy Fur</i>
2/27	3600.2			NEEDS Annual. <i>Villy Fur</i>

YEAR 20 <u>13</u> 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.)
<u>Nov 20</u>		<u>New Starter</u>		 Make: CESSNA Model: 172M Reg. No.: N64461 Order No.: 44291 Tach Time: 3567.60 Completed: 11/20/13 S/N: 17265248 TTAF: Removed starter P/N MZ-4222 S/N 5100957 and installed overhauled starter P/N MZ-4222 S/N A310131, Ops check on run up good. <u>Fernando Cardoza</u> Date <u>11/20/13</u> Fernando Cardoza A&P3122578

YEAR
20
DATE



Aircraft- N64461
 Date- May 06, 2014
 Log- Engine
 Tach- 3601.1
 TSMOH- 727.8

ations
 umber of Technician or

This engine was inspected IAW FAR 43 Appendix D checklist. Compressions were #1 77 /80 #2 77 /80 #3 70/80 #4 77/80. Drained oil and removed oil screen (no abnormal particles noted). Serviced with 7 qts 100W Aeroshell Oil. Removed mags and performed Slick 500 hour inspection. Reinstalled mags and timed. Installed 8-REM40E spark plugs. Installed OH AA32115CC vacuum pump. Repaired carb heat box and installed new carb heat shaft bearings. Installed new BA6108 air filter.

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

Daniel L. Rembach
 Daniel L. Rembach A&P 308767165 IA

Engine Record General Information

Manufacturer Lycoming Model O320E2D

Serial _____ Type Certificate _____

This engine is currently installed in aircraft: N64461

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at 2000 hours

Ed Johnson



Cessna®



ENGINE
AND PROPELLER LOG

N

64461

SERIAL NO.

L-41934-27A

PROPELLER INSPECTION & REPAIRS

INSPECTION			REPAIRS		
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE
2/17/2013		TACH: 3397.5, T.T.: 3397.5, TSMOH: 524.5			
		CHANGED OIL WITH 7 QUARTS AEROSHIELD 10W+, BOTH SCREENS CLEAN, CHECKED FUEL SCREENS AND DRAINED CARB. BOWL. REPLACED CARB. AIR FILTER. CHECKED AND LUBED CONTROLS, CHECKED EXHAUST SYSTEM FOR LEAKS AND CONDITION. CHECKED MAGNETO TIMING, CLEANED AND GAPPED SPARK PLUGS WITH			
		REPLACEMENT OF #4 TOP PLUG (CHAMPION REM 4012). COMPRESSION CHECKED AS FOLLOWS 1: 75/80, 2: 7 3/80, 3: 7 1/80, 4: 7 1/80, PROPELLER CHECKED FOR SECURITY AND CONDITION, COMPLIED WITH A096-09-06 INSPECTION, REPLACEMENT DUE: 3562.5 HOURS OF BRACKETT AIR FILTER. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR PART 43.0 ANNUAL INSPECTION AND FOUND AIRWORTHY.			
					22-2. Waller AP 526021607 LA

~~PROPELLER~~ INSPECTION & REPAIRS

[illegible]

PROPELLER INSPECTION & REPAIRS

INSPECTION			REPAIRS		
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE
3/1/00		CHANGED OIL (AMERSHALL W/IT)			CHECKED SCREENS, DRAINED CARB. ISOL, CHECKED FUEL SCREEN
TAKE TIME					
3371.8		CLEANED SPARK PLUGS, CHECKED GAPS, CHECKED TIMING, COMPRESSED AS FOLLOWS -			
TOTAL TIME					
3371.8		#1: $7\frac{1}{2}$ / ₁₆ , #2: $7\frac{1}{8}$ / ₁₆ , #3: $7\frac{1}{8}$ / ₁₆ , #4: $7\frac{1}{8}$ / ₁₆ . REPLACED AIR FILTER - 6H102.			
		CHECKED EXHAUST SYSTEM FOR LEAKS - REPLACED EXHAUST STUD AND GASKET AT #1 CYLINDER.			
		REPLACED LEAKY AIR FILTERS. CHECKED HULL BOW CENTERS. I CERTIFY THAT			
		THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION			
		AND FOUND AIR WORTHY. ZP2 W/line			AP 52602/607 JH,

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 9/8/05		3339.	5	CHANGED OIL AND CHECKED SCREENS, SCREENS FOUND CLEAN. CLEAN AND GAP SPARK PLUGS. REPLACED R/H MAGNETO - P/N 4250R, S/N 4050161 OFF, P/N (SLICK) 4370, S/N 05052298 INSTALLED AND TIMED. COMPRESSION CHECKED: 1: $7\frac{1}{2}\%$, 2: $7\frac{1}{2}\%$, 3: $7\frac{1}{2}\%$, 4: $7\frac{1}{2}\%$. DRAINED CARB BOWL, CHECKED FUEL SCREEN, CHECKED EXHAUST SYSTEM FOR LEAKS. REPLACED FAILED VACUUM PUMP WITH OVERHAULED UNIT FROM RAPCO. P/N 211CC, S/N 119078. REPLACED BRACKET AIRFILTER (BA6108). I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND AIRWORTHY. <i>[Signature]</i> AP 526021607 IA. ←		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
12/10/06		3356	4	(CHANGED) OIL, CHECKED SCREENS - GOOD CLEANED SPARK PLUGS AND CHECKED CAPS CHECKED MAGNETIC TIMING, DRAINED CARB. BOWL, CHECKED FUEL SCREENS, CHECKED EXHAUST FOR LEAKS, COMPRESSION IS #1: 76/80, #2: 77/80, #3: 76/80, #4: 74/80. OPERATIONALLY (CHECKED) OK WITH NO LEAKS. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND AIRWORTHY. <i>[Signature]</i> AP 526021607 LA		
				</		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IO THS			
11/6/02		3285	4	CHANGED OIL USING ARROSMELL 100WT, LUBRICATED SCREENS (OK). PERFORMED RUN UP AND LEAK CHECKS GOOD.	261 J. Waller	AP526021607
3/25/03		3301	2	REPAIRED AIRBOX, CHANGED OIL, CHECKED SCREENS (GOOD) DRAINED CARB BOWL, CHANGED AIR-FILTER AND SEAL ASSEMBLY. (CLEANED) AND GAPPED SPARK PLUGS. RESET TIMING. CHECKED COMPRESSION: 1: 78/80, 2: 74/80, 3: 80/80, 4: 76/80. REPLACED ROCKER COVER GASKETS WITH NEW SILICON STYLE. DRESSED AND PAINTED PROP. RUN UP CHECKS GOOD. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION. I	261 J. Waller	AP526021607

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IO THS			
5/22/04		3322	.1	CHANGED OIL AND CLEANED SCREENS. SCREENS CHECK GOOD. DRAINED CARB. BOWL. CHECKED GASOLATOR. CLEANED, GAPPED AND CHECKED SPARK PLUGS. CHECKED MAG. TIMING. DRESSED AND PAINTED PROP. LUBED CONTROLS. COMPRESSION CHECKS: #1: 76/80, #2: 80/80, #3: 75/80, #4: 74/80. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND AIRWORTHY. 702 J. Waller	702 J. Waller	AP526021607

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION		ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
			HOURS	IOths			
2001							
4/7	3254	5	3254	5	DEFECTIVE STARTER REMOVED AND OVERHAULED STARTER PRESTOLITE P/N MZ-4222, S/N SY000199 INSTALLED. SEE 8130-3 AND WORK ORDER # 58427 DATED 4/4/01. BROKEN ALTERNATOR BRACKET REPLACED WITH NEW P/N 07A21443. WASHED DOWN ENGINE AND COOLING. REPLACED FASTENERS IN RAFFELING. OPERATION-ALLY CHECKED STARTER. WORK ACCOMPLISHED IN ACCORDANCE WITH CESSNA SERVICE MANUAL, (172) P/N 972-3-13 DATED JUNE 15, 1975. J. Wallace AB 526021607 -		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION		ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
			HOURS	IOths			
2002							
1/27			3263.8		390.8 SMOH. REMOVED ACCESSORY CASE AND CYLINDERS FOR METAL CONTAMINATION. FOUND #4 PISTON + PIN PLUG WORN. CYLINDER BORE OK. REPLACED #4 PISTON AND ALL PISTON PIN PLUGS WITH SERVICEABLE PARTS. PLUGS BORE ALUM/BRONZE NEW STYLE. FLUSHED REMOVED OIL SUMP AND FLUSHED ENGINE WITH MINERAL SPIRITS. INSTALLED ACCESSORY CASE, SUMP AND CYLINDERS IN ACCORDANCE WITH LYCOMING OVERHAUL MANUAL USING ALL NEW SEALS AND GASKETS. TIMED ENGINE. CLEANED + GAPPED SPARK PLUGS. GROUND RUN AND CHANGED OIL AGAIN. SCREENS CLEAN. REPLACED STARTER WITH OVERHAULED UNIT. P/N MZ4222 S/N 5100957 W/62402 AEROTECH. SEE 8130-3 DATED 1/23/02. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE AIRWORTHY.		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

REPLACED AIR FILTER AT THIS TIME. DLW.

J. Wallace AB 526021607 LA

ENGINE LOG

DATE 19 99	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IO THS			
5/17		3190	1	CHANGED OIL, CLEANED SCREEN (OK) LEAK CHECKED OK. USED 8 QUARTS OF ARROW SHELL 50WT. No 2.6. 11/11/07. —		
7-30-99		3201	6	100 hr inspo q/w Compression all cpls 78/80 Retime Lt. Magneto. Clean + Rotate Spark plugs. Check intake and exh. System. Check controls Change oil, check screen. Rpl. Brackett Air filter. wash engine. AD 98-17-11 DNA To this engine.		
		328. hrs		SMOH.		
		Date 7-30-99 Aircraft Total Time 3201.6				
		I certify that this Engine has been				
		inspected in accordance with a 100 hr				
		inspection and is approved for return to service.				
		Signed <u>Roy Stillewell</u>				
		AP 18555977				

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 2000	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IO THS			
4/1		3226	9	CHANGED OIL USING 8 QUARTS OF ARROW SHELL 50WT AD. CLEANED SCREEN - (NO DEPOSITS NOTED) CLEANED ENGINE, LOWER COWLING. LEAK CHECKED GOOD. COPS. CHECK GOOD. —		
8/19		3239	1	366.1 SMOH. COMPRESSION CHECK: #1 77/80, #2 79/80, #3 79/80, #4 79/80. CHECKED MAGNETO TIMING. CLEANED, GAPPED AND ROTATED SPARK PLUGS. CHECKED INTAKE AND EXHAUST SYSTEMS, LUBED AND CHECKED CONTROLS. CHANGED OIL WITH 8 qts. OF ARROW SHELL 50WT A.D. CLEANED SCREEN (CLEAN) RUN UP AND LEAK CHECK O.K. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND FOUND TO BE AIR WORTHY —		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 <u>98</u>	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
6-11-		3143	3	100 hr. Inspection o/w. Oil was changed 8 hrs previously. Compression even 78/80 All cylinders. Install New Reman. Muffler, Gaskets & Nuts. Install New REM40 E Spark plugs. Check all controls, hose, and air filter. Check and. Time both magnetoes. Check engine mount and Load mount pads. Date <u>6-11-98</u> Aircraft Total Time <u>3143.3</u> I certify that this <u>Engine</u> has been Inspected in accordance with a <u>100 hr</u> Inspection and is approved for return to service. Signed <u>Ray Stettin</u> A/P 1855949	250 hrs SMOH	
6/11		3143.	3	A.D. 98-01-06 PCW. 1 PIECE VENTURI INSTALLED.		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
10/14				(1) changed oil 80ts Acrosheil C100		
Lab =	3166.20			(2) Removal screen, insp, cleaned / Reinstalled		
SMASH =	292.90			(3) washed down engine		
				(4) Ground Run - no leaks noted		
				(5) dressed / Painted Prop		
				<i>[Signature]</i>		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 97	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
3-14		3088.1		100 hr. inspo. C/W. Oil & Filter changed at 3087.8 hrs. Compression All Cyls. $\frac{26}{80}$. Check Magneto Timing. Clean, Gap & Rotate Spark plugs. Check Throttle, mixture, and carburetor. Check fuel & oil hose. Check prop. Check eng. mount. Check intake and exhaust systems. 215 hrs. SMOH.		
Date <u>3-14-97</u> Engine <u>Aircraft</u> Total Time <u>3088.1</u> I certify that this <u>Engine</u> has been inspected in accordance with a <u>100 hr</u> inspection and is approved for return to service. Signed <u>Ray Stillerwell</u> A/P 1855977						

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 97	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
2-16						
Tach =	3116.20			(1) Changed oil - 8Qts Aeroshell W100 (2) Removed screen, cleaned, insp & Reinstalled (3) Washed down engine (4) Ground Run - no leaks noted (5) This engine is returned to service.		
<u>Kelly A. Ward</u> A/P 244967745						

Jan 13, 1998 Engine Log Tach: 3134.40

1. Changed oil, 8qts Aeroshell W100.
 2. Removed oil screen, inspected, cleaned and reinstalled using new gasket, P/N 61173.
 3. Washed down engine, ground run, no leaks noted.
- Kelly A. Ward A&P 244967745

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 96	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
Feb		3025.0		100 HR. Inspection C/w/o Change oil, Clean Screen. Remove carb. air box and Repair. Install New Starter drive bendix. Install new Vacuum pump. Replace cracked pushrod housing #4 cyl. Clean and Gap Spark plugs. Compression Check all cylinders 78/80. Check Magneto Timing. Check controls for security and Freedom of movement. Ground Run up Normal. Test Flight Normal. Total Time 3025 hrs SMOH 252.0 hrs.		
					Ray Stowell AP 1855977	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 96	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
TACK 9-21-96	3062.5			Changed oil & cleaned screen. Serviced with Quessell 50 wt oil. Washed engine The aircraft, aircraft engine, or appliance was repaired and inspected in accordance with current regulations of the Federal Aviation Administration, and Manufacturers Specifications, and is approved for return to service. Particular details of the repair are on file at this facility under work order no. 96017 Signed: <u>Edwin Parker</u> Date: 09-28-96 (Signature of authorized representative)		
12-14-96 TACK	3079.5			NEW AIR FILTER installed	AP 52446	
2-20-97		3087.8		CHANGED OIL AND CLEANED SCREEN Installed New CASKET. 7N 61173. Serviced ENGINE with 85TS Aeroshell 1100. Washed Engine and Cooling. This aircraft returned to service. AP 308020824		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 <u>94</u>	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
3/11/94	Tach.	2891.4		Change oil and clean screen. Fill with Shell W 100. 18.4 hrs Since major overhaul. <i>Ray Stittwell</i> A/P 1855977		
9-8-94	(Tach)	2924.7		OIL CHANGE AEROSHELL 100 SAE 50 <i>AP Johnston</i>	521446	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 <u>94</u>	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
Nov 23				Tach: 2946.5 100 hr inspection. Change oil and clean screen. Tighten ROCKER COVER SCREWS. Clean & Rotate spark plugs. Check magnet timing. Compression check 75/80 all cylinders. Check controls for Freedom of movement and security. 11/23/94 aircraft total. Tach 2946.5 73.8 hrs SMOH Certify that this Engine has been inspected to a standard with a 100 hr inspection and is approved for return to service <i>Ray Stittwell</i> Signature <i>AP 1855977</i>		
4-5-95	Tach	2976.2		OIL CHANGE AEROSHELL 100 SAE 50 <i>AP Johnston</i>	521446	
8-11-95	Tach	3003.5		OIL CHANGE - AEROSHELL 100 W SAE 50 <i>AP Johnston</i>	521446	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IO THS			
1992						
3 JUN	TACK	2808.5		2808.5 ENGINE TT 808.95 MOIL. OWNER CHANGED OIL CHECKED & CLEANED SCREENS, CHECKED TIMING, RE- TIMED RH MAG TO ENGINE. INSTALLED NEW AUBURN SRBB SPARK PLUGS IN BOTTOM OF NO.1 & NO.3 CYLINDERS. CHECKED COMPRESSION: NO.1 75/80 NO.2 74/80 NO.3 75/80 NO.4 76/80. CLEANED SPARKPLUGS & CHECKED IGNITION SYSTEM. ENGINE RUN UP & CHECKED OK. AD'S CHECKED THERM B WEEKLY LISTING 92-10 (NTP 9211M) ALL WORK DONE V/M/W MANUFACTURER RECOMMENDATIONS & AC43.13. I CERTIFY THAT THIS ENGINE HAS BEEN IN- SPECTED V/M/W A 100HR/ANNUAL INSPECTION & WAS DE- TERMINED TO BE IN AIRWORTHY CONDITION THIS DATE. 1 AUG 92 TACK 2809.2 C/W EMERGENCY AIRWORTHINESS DIRECTIVE 92-15-16 ON MANUEL SCHERER CREDITATOR, BY REMOVAL OF CREDITA- TOR, INSPECTION - DATE "10-9" NOT ON FRONT ARM. CRED TOR REINSTALLED, ENGINE RUN UP OK AND APPROVED FOR RETURN TO SERVICE. END	Thomas G. Jacques	A/P 2446 92-10
					Thomas G. Jacques	A/P 2446 92-10

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IO THS			
1992						
9-27-92	TACK	2817.1		OIL CHANGE - AEROSHELL 100 SAE 50	EP Johnston	521446
5-3-93	TACK	2862.8		OIL CHANGE - AEROSHELL 100 SAE 50	EP Johnston	521446
10-8-93		2873.0				

Lycoming O-320-E2D

Ser. # L-41934-27A

Engine major overhauled. All components reworked, overhauled or exchanged as per Serviceable Tags. 100% replacement of parts as recommended by Lycoming O-320 Series Engines. Engine assembled according to Lycoming Overhaul Manual and Parts Catalog. A complete list of parts furnished to owner. Engine installed on aircraft and filled with Shell 50 wt. mineral oil. Service Bulletin and AD notes applicable to this engine c/w. Ground run and test flight normal. End.

Total Time @ Overhaul 2873.0

10-8-93

Ray Stillwell

A/P 1855991

ENGINE LOG

[illegible]

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
1991						
11-2				ACCORDING TO THE LIST OF NEW PARTS INSTALLED IN THIS ENGINE AT OVERHAUL BY BRADFORD H. HARMON POWER PLANT No. 1354882 DATED 10-7-85 PART No. 13775 & 60746 IMPELLERS WERE INSTALLED IN THE OIL PUMP WHICH IS IN COMPLIANCE WITH LYCOMING SERVICE BULLETIN No. 456 D AND CESSNA SEB 91-9A DATED 10-18-91 Leroy T. Martin A.&P. 243249907		
11-6-91				CARBURATOR REMOVED FOR REPAIR DUE TO LEAKING. CARBURATOR ASSEMBLED USING NEW METAL FLOAT AS PER S.B. MSA-1 NEW ONE PIECE VENTURI AS PER S.B. MSA-2. ALL NEW GASKETS AND SET FLOAT LEVEL. INSTALLED ALL NEW ROCKER BOX COVER GASKETS, INTAKE PIPE HOSES & GASKETS. NEW CAR. AIR BOX P. SEAL. NEW POINTS IN RIGHT MAGNETO. CHANGED OIL ADDED 8 qts. AEROSHELL 100W. GROUND RUN UP NORMAL, NO LEAKS NOTED ENGINE TACH. TIME 2757.6 NOV. 7, 1991 Leroy T. Martin A.&P. 243249907		
4-8-92	TACT 2790.00			OIL CHANGE - 8 qts. AEROSHELL 100 SAE 50		52146

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
4/19/90	TACH	2509.3		Changed oil AND ADDED Seven Quarts Aeroshell 15w50 AD. Cleaned low pressure oil screen & high pressure screen. Cleaned carb. Fuel inlet screen & drained OIL BOWL. Checked magnet Timing + Reset left magnet TO 25° BT. Tightened oil Filler Tube + Replaced gasket P/N 72059. Tightened Throttle Attachment Bolt @ Throttle Arm, Installed Eight REM-406 spark plugs, Inspected Exhaust System + muffler Assy. Lubricated All Engine controls, Grounds Run-up + leak checked ok!		
LUBRIC. DIF. COMP. TEST				I certify that this <u>ENGINE</u> has been		
DATE	4/19/90	TACH	TIM 2509.3	inspected in accordance with a <u>Annual</u>		
#1	75/80	#4	74/80	inspection, and was determined to be in an		
#2	70/80			Airworthy Condition.		
#3	73/80			Total Time <u>2509.3</u> time <u>SMOH: 509.7</u>		
				Mechanic's Signature <u>Perry A. Dancy</u>		
				Certificate No. <u>APP 218529786 TA</u> Date <u>4/19/90</u>		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1990						
11-20-90	TACH	2611	2	CHANGED OIL W/ AEROSHELL MULTI VIS DRAINED COOLER / SCREEN OK. GROUND OK.		
				Vic Jespersen		
15 MAY 91	TACH	2688.5	ENG	2688.5 SMOH 688.9. OWNER CHANGED OIL AERO SHELL 15W50. CLEANED SCREENS. REMOVED, HAD WELDED. & REINSTALLED MUFFLER. INSTALLED FOUR NEW EXHAUST GAS- KETS. STOP DRILLED COOLING RADIATOR. FABRICATED & INSTALLED NEW MUFFLER INTAKE SHROUD, CHECKED TIMING. CHECKED COM- PRESSION ^{NO.1} 75/80 ^{NO.2} 74/80 ^{NO.3} 65/80 ^{NO.4} 75/80. DRESSED OUT NICKS IN PROPELLER. ENGINE RUN UP & LEAK CHECKED OK. ADS CHECKED THROUGH BI-WEEKLY 91-07 (ATP 91-09M). ALL WORK DONE V/A/W MFG RECOMMENDATIONS & AC 43.13. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED V/A/W A 100HR/ANNUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE.		
4-14-91	TACH	2713	6	CHANGED OIL - AEROSHELL 100W		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 MAY 27 1989				TACH TIME 2393.4 CHANGED OIL (8 qts Aero Shell 100W) J.B. Clinton ATP 1078014		
AUG 3 1989				TACH TIME 2423.1 CHANGED OIL (8 qts AERO Shell 100W)		
8-23-89				TACH 2426.6 REPLACED DRY AIR PUMP WITH OVERHAULED UNIT SEE TAG TEST RUN OK Jonathan Bradley 242117295		
8-26-89				TACH TIME 2427.5 Installed new fuel line stainer to carb, new oil lines, oil cooler to engine. Replaced leaking crankshaft seal with .050 oversize crankshaft seal. Replaced oil seal at vac. pump adapter. Realign alt. pulley to match ring id installed new Hobbs sender due to leak. Installed maint. hose on #2 cyl. Crowned Run up normal No leaks found. Jonathan Bradley P242117295		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 89 8-6				TACH TIME 2430.1 Installed new oil pressure line and crankcase breather hose. Removed old Scat hose and duct and cleaned oil cooling grill and duct. Reinstalled duct replaced with new Scat hose. Run up Normal No leaks found. Jonathan Bradley P242117295		
11-5				Tach 3014 7 Changed Oil w/ Aero Shell 50 wt Drained cooler Ground Check OK J.R. Spauls 223-86-3031		
2-16				Tach time 2482.3 Changed Oil w/ Aero Shell 50 wt Drained Cooler Ground Check OK J.R. Spauls 223-86-3031		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19						
6-24-87	Jack	2183.9		Changed Oil (100W) Ch screen; Clean + gap spark plugs. Run test OK	J Barnes A+P 2004459	
6-24-87	Jack	2183.9		Replaced Carb mixture Control.	J Barnes 2004459	
8-13-87	Jack	2217.0		Changed Oil (100W) Leak Check OK.	J Barnes 2004459	
9-25-87	Jack	2237.6		Changed Oil (80W) Ch screen Leak Check OK.	J Barnes 2004459	
11-26-87	Change			Oil (80W) Ch screen - Leak Ch OK	J Barnes 2004459	
1-16-88	Jack	2291.3		Change Oil (40W) Ch Screen Leak Check OK	J Barnes 2004459	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19						
3-16-88	Jack	time 2309.3		Changed Oil, Ch screen, Ch compression, Clean + gap spark plugs, Ch mag timing, drain carb, & certify this eng has been inspected IAW an annual insp. and approved for return to service, J Barnes IA 2004459		
7-28-88	Jack	time 2335.9		hrs. Change Oil - Aeroshell 100 W - Leak Check OK - J Barnes 2004459		
Jan 17, 1989	Jack	time 2366.5		Changed Oil Ch screen (Aeroshell 100W) Run + leak check ok. J Barnes 2004459		
Apr 1, 1989	Jack	time 2384.9		Ch compression #1-74, #2-68, #3-74, #4-74. Ch Oil screen, Time mag, drain carb, Clean + gap spark plugs, this eng inspected IAW an annual insp and approved for return to service - J Barnes IA 2004459		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 <u>86</u> 6/21		2041.2		changed oil serviced with 8 qts 40wts shell 100w detergent. adjust oil pressure. PITCHED carburetor jets and. RUN NO LEAKS. <i>Christopher A 240065325</i>		
7-1-86	Tach time	2045.0		Changed Oil checked screen, Run & Leak test OK - Oil 100 Straight mineral Oil. <i>J. Barner A+P 2004459</i>		
9-2-86	TACH	2065.6		Changed oil serviced with 8 qts 40wts shell 100w NO LEAKS. <i>Christopher A 240065325</i>		
9-13-86	Tach time	2090.6		Changed Oil, ck screen, Run & Leak test - OK. <i>J. Barner A+P 2004459</i>		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
12-5-86	Tach time	2113.8		Changed Oil (40w Aeroshell) Run & leak test. <i>J. Barner A+P 2004459</i>		
1-2-87	Tach time	2122.7		Check compression Set mag timing, clean a gap spark Plugs, Check Oil screen, I certify this Eng has been inspected in accordance with an annual inspection and approved for return to service <i>J. Barner 2004459</i>		
3-2-87	Tach	2140.0		Changed oil added 8 qts Aeroshell 100w <i>Rich Simpson A+P 546761694IA</i>		
7 May 87	Tach	2160.6		Changed Oil, Chk screen Run test OK Aeroshell 100w - <i>J. Barner A+P 2004459</i>		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 85	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
10-7-85		1999	6	Major overhaul engine - new parts installed - oil pump gears, 4 intake tube hose, 8 exhaust valve keys, 8 connecting rod bolts & nuts, 4 pistons, 4 piston ring sets, 8 main bearing, 8 connecting rod bearings 4 exhaust valves, all engine seals & gaskets 4 cylinders blast cleaned & dye checked for cracks cleaned & gapped. Spark plugs. Crank shaft & all steel parts magnafluxed, valve springs tension checked. Valve plungers, pressure, checked. Inspected muffler for cracks. Installed Shell 40 weight oil-multipurpose. Engine started and ground checked OK.		
				BRADFORD H. HAMMON POWER-PLANT NO: 1354882	Bradford H. Hammon 10-7-85	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 86	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
1-22		2002	0	COMPRESSION CHECKED ALL TO 180 OR BETTER COASTED ENGINE, CHECKED MAG TIM. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. JHmon 292326087 JK		
5/12/86		TT 2019.9		Changed oil - removed oil screen no evidence of metal - serviced with 8 qts Aero Shell 40 W - ran engine up oil seems noticeable. Christopher J. Mon 29240605305		
6/14/86		TT 2035.9		Repaired front engine cooling baffling & adjust oil pressure as needed. Christopher J. Mon 29240605305		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 81	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
6-25		1530.4		Removed number 4 cyl and secured exh valve, replaced cyl, flew engine 1 hour, comp. check 68/80 no leaks. End. Jerry Doyle Riddell ADP 2046876		
June 2, 82		1618.2		Checked lines, cables, wiring, mount etc. no oil change. comp. sixty two to seventy two over volts. I certify this <u>Engine</u> has been inspected in accordance with an <u>100 hr.</u> inspection and determined to be in an airworthy condition. <u>End.</u>	Jerry Doyle Riddell ADP 2046876	
6-24-83		T.S.N. 1686.2		Charged oil & cleaned screen, cleaned capped rotated plugs, cleaned air filter, washed engine		
				I certify this <u>ENGINE</u> has been inspected in accordance with an <u>100 hr.</u> inspection and determined to be in an airworthy condition.	Steve Blad ADP 14583225	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 84	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
	1744.0			Kleen spark plugs		
	1750.6			Charged oil	J. Correy	
FEB 2, 1984				TACK TIME 1753.4 HRS. Hobbs Time 2095.3 HRS. Replace the Overvoltage Sensor and Low Voltage Warning Light Assy. This Date. ground RWD and operational checked. Normal operation noted. <u>End of Stan</u> ADP 182182		
Dec 84				TACK 1913 I certify this <u>Engine</u> has been inspected in accordance with an <u>100 hr.</u> inspection and determined to be in an airworthy condition. <u>AD Ch. up to 84-19-2</u> <u>Phil C. Barker ADP 43225246A</u>	Charged oil & Clean Screen with 84-19-2	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 2-22 19 79	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
TACH READS -		1077				
				Comp: 1-7/80, 2-7/80, 3-7/80, 4-7/80 REPLACED #1 T SPARK PLUGS, SERVICED FUEL SCREENS & DRAINED CARB BOWL - PAG. OIL, ENG + CLEANED SCREENS, SERVICED WITH PETROSHELL 40A - CLEANED AIR FILTER, CLEANED & GAPPED PLUGS, ADJUST MAG TIMING & REPR. RT MAG GSKT CLEAN ENGINE, REPLACED PHL ROCKER COVER GASKET OR CR - FOR LEAKS - DONE THIS DATE - I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IAW A 100HR INSPECTION AND IS DETERMINED AIRWORTHY - Michael J. Forbush 172016796		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 80	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
3-8	Tach time	1168	7	Engine Given Periodic INSPECTION THIS DATE. Plugs Cleaned, OIL CHANGED, SCREENS SERVICED Baffle REPAIRED ON FRONT RIGHT SIDE Compression Checked OK J. Kelly C/P 15217		
3-25-81	Tach Time	1469.5	has	Changed oil. Serviced with Phillips X.C. Cleaned Oil Screen. Cleaned and gapped Plugs. Checked COMPRESSION. All Cylinders Above 80%. Cleaned Air Filter. Cleaned Engine. I certify THAT I have INSPECTED THIS ENGINE IAW A ANNUAL INSPECTION AND IT WAS DETERMINED TO BE IN A AIRWORTHY CONDITION. Leslie Dees 1A200179		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 75						
7-21-75				TACH READS: 118.7 CHG. OIL & CLEANED SCREEN. <i>Michael S. Robinson</i>		
9-4-75				TACH READS: 203.4 CLEAN & GAP PLUGS, TIGHTEN ENGINE HARDWARE, LUBE CONTROLS - CK MAG TIMMING - I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr. INSP. & DETERMINED AIRWORTHY <i>Michael S. Robinson</i> IA 2016796		
10-29-76				TACH READS: 304.4 CLEAN & GAP PLUGS, CK MAG TIMMING TO ENGINE. CHG. ENGINE OIL - I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr. & DETERMINED AIRWORTHY <i>Michael S. Robinson</i> IA 2016796 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Total Time: 595.6 Tach Time: 595.6 Authorized Signature: <i>Michael S. Robinson</i> IA 244106 5/6/76		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 77						
8-29-77				TACH READS: 937 CLEANED & GAP ALL PLUGS, REPLACED BOTH LT & RT MAGNETOS WITH EXCHANGE UNITS, REPAIR CARB HEAT BOX ARM & ADJUST. REPAIR VAC. PUMP DRIVE SEAL & GSKTS. PRG. OIL & CLEANED SCREENS. REMOVED ALL CYLINDERS, REPLACED ALL PISTONS, RINGS, EXH. VALVES & GUIDES, PISTON PIN PLUGS, GSKTS, SEALS, #3 CYLINDER & INTAKE VALVE. DRAINED & SERVICED FUEL SUMPS & CARB BOWL. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. INSPECTION & IS DETERMINED AIRWORTHY - <i>Michael S. Robinson</i> IA 2016796		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE DESCRIPTION

Mfgr. <i>Lycoming</i>	Place	Date
Type <i>AV-cylinder</i>	Model <i>A-370-E20</i>	Serial No. <i>L-41934-27A</i>
Rated H. P. <i>150</i>	Maximum H. P. <i>150</i>	Weight (Dry)
Rated R. P. M. <i>2700</i>	Maximum R. P. M. <i>2700</i>	Oil Pressure
Bore	Stroke	Displacement
Compression Ratio	Supercharger Ratio	Gear Ratio
Propeller <i>11" Caudery</i>	Hub Design <i>1C160/107A</i>	Hub Serial No. <i>E+7654</i>
Blade Design	Blade Serial	Blade Serial
Maximum Hub H. P.	Maximum Blade H. P.	
Pitch <i>53"</i>	Diameter <i>15"</i>	Length
Owner's Name		
Address	City	State

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1975						
4-18	1.7	1.7			<i>Donald J. Robinson</i>	
6-17	TACH READS-61.9			PERFORMED COMPRESSION CK CHG'D OIL + CLEAN SCREENS - MORIK-100 MINERAL CYLINDER DIFFERENTIAL COMP	<i>Donald J. Robinson</i> 2016796 IP	
				#1 $\frac{75}{80}$ #2 $\frac{75}{80}$ #3 $\frac{75}{80}$ #4 $\frac{76}{80}$ #5 $\frac{75}{80}$ #6 $\frac{75}{80}$		
7-24-75	TACH READS			107 CLEAN + GAP PLUGS. SERVICE SCREENS ADJ. MAG TIMMING. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR- INSPECTION AND HAS BEEN DETERMINED AIRWORTHY- CYLINDER DIFFERENTIAL COMP	<i>Donald J. Robinson</i> IP 2016796	
				#1 $\frac{76}{80}$ #2 $\frac{75}{80}$ #3 $\frac{76}{80}$ #4 $\frac{76}{80}$ #5 $\frac{75}{80}$ #6 $\frac{75}{80}$		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE