AIRCRAFT
MAINTENANCE RECORDS

N 73154

ENGINE
LOG BOOK



CHEESE STEAKS
Fresh Grilled To Order!
CHEESE STEAKS

AIRCRAFT
MAINTENANCE RECORDS

Owner _____

Aircraft Registration **N** _____

Manufacturer Lycoming

Model O-320-E2D

Serial No. L-37393-27A

Position _____

AIRCRAFT MAINTENANCE RECORD

Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →	5,677.8	

WATSON AERO LLC

Make:	Model:	S/N:	SMOH:	Date:
Lycoming	O-320-E2D	L-37393-27A	0.0	1/6/2023

Disassembled/reassembled this engine for major overhaul with a **total engine time of 5,677.8 hrs.**

The following components were sent out for inspection/repair:
Magnetos- Aircraft Magneto Service (W/O# 36985)
Carburetor- D&G Supply (W/O# 42221)
Crankcase, accessory case, oil sump- Divco (W/O# 132795/132658/12705)
Gears, connecting rods, rocker arms-Western Skyways (W/O# 57979/58203)
Gear, tachometer shaft, crankshaft-Aircraft Specialties Services (W/O# 267864)

The following parts were replaced for reassembly of engine (As per SB 240W):
-Crankshaft bearings (PN: SL16711AM03)
-Cylinders (PN: SL32006W-A21P)
-Connecting rod bearings PN: SL61662AM03)
-Connecting rod bolts/nuts (PN: SL78027)(PN: SL12186)
-Camshaft (PN: LW18840)
-Camshaft followers (PN: 15826588)
-Piston pins (PN: LW14078) (PN: 72198)
-Oil temperature control valve (PN: SL53E19600)
-Crankshaft gear bolt (PN: SL-STD-2246)
-Oil pressure housing/spring/ball (PN: SL77808)(PN: SL61084)(PN: SL1028B)
-Oil pump housing (PN: SL78531)
-Ignition harness (PN: 10-821471-2)
-Spark plugs (PN: UREM37BY)

Set piston ring end gaps, and adjusted dry tappet clearances as required. Serviced engine with 8 quarts Aeroshell 100 mineral oil. Performed engine operational/leak check in a test cell environment. Operational check satisfactory. Work performed in accordance with Lycoming Direct Drive Engine Overhaul Manual (PN: 60294-7), revised 06/2011, SB 240W, SI 1029, SI 1059. Pertinent details are on file at this facility under work orde[redacted]

James Watson [redacted] A&P

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AIRCRAFT
MAINTENANCE RECORDS

Owner _____

Aircraft Registration **N** _____

Manufacturer Lycoming

Model O-320-E2D

Serial No. L-37393-27A

Position _____

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AIRCRAFT MAINTENANCE RECORD Page No. _____

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WATSON AERO LLC

Make:	Model:	S/N:	SMOH:	Date:
Lycoming	O-320-E2D	L-37393-27A	0.0	1/6/2023

Disassembled/reassembled this engine for major overhaul with a **total engine time of 5,677.8 hrs.**

The following components were sent out for inspection/repair:
Magnetos- Aircraft Magneto Service (W/O# 36985)
Carburetor- D&G Supply (W/O# 42221)
Crankcase, accessory case, oil sump- Divco (W/O# 132795/132658/12705)
Gears, connecting rods, rocker arms-Western Skyways (W/O# 57979/58203)
Gear, tachometer shaft, crankshaft-Aircraft Specialties Services (W/O# 267864)

The following parts were replaced for reassembly of engine (As per SB 240W):
-Crankshaft bearings (PN: SL16711AM03)
-Cylinders (PN: SL32006W-A21P)
-Connecting rod bearings PN: SL61662AM03)
-Connecting rod bolts/nuts (PN: SL78027)(PN: SL12186)
-Camshaft (PN: LW18840)
-Camshaft followers (PN: 15B26588)
-Piston pins (PN: LW14078) (PN: 72198)
-Oil temperature control valve (PN: SL53E19600)
-Crankshaft gear bolt (PN: SL-STD-2246)
-Oil pressure housing/spring/ball (PN: SL77808)(PN: SL61084)(PN: SL1028B)
-Oil pump housing (PN: SL78531)
-Ignition harness (PN: 10-821471-2)
-Spark plugs (PN: UREM37BY)

Set piston ring end gaps, and adjusted dry tappet clearances as required. Serviced engine with 8 quarts Aeroshell 100 mineral oil. Performed engine operational/leak check in a test cell environment. Operational check satisfactory. Work performed in accordance with Lycoming Direct Drive Engine Overhaul Manual (PN: 60294-7), revised 06/2011, SB 240W, SI 1029, SI 1059. Pertinent details are on file at this facility under work order [redacted]

James Watson _____ [redacted] A&P

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	TOTAL - CARRY FORWARD TO NEXT PAGE

AIRCRAFT MAINTENANCE RECORD

Page No. ______

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		Divided Sky Aviation [redacted] N73154 S/N: 172-67293 Engine Logbook Lycoming: O-320-E2D S/N: L-37393-27A Date: 02/14/2023 Tach: 9569.9 Hobbs: 6461.1 Total Engine Time: 5677.8 Installed overhauled Lycoming O-320-E2D S/N: L-37393-27A. Torqued engine mounting bolts to 450-500 lb/in. Serviced with 6 quarts mineral oil for break-in process. Installed overhauled carburetor P/N: 10-5135 S/N: MSE56812. Re-installed all other accessories, lines, hoses, and wires. Properly adjusted carburetor and carburetor heat cables. Attached Bendix magnetos, left hand P/N: 10-500514-1 S/N: D19CA059 and right hand P/N: 10-600644-1 S/N: E08IA254, properly timed. New spinner bulkhead installed when re-installing propeller and spacer. Propeller bolts torqued to 540-560 lb/in and safety wired. Performed ground run-up of engine. No leaks or defects noted. Rechecked engine mount nut torque after run-up. All maintenance performed I/A/W Cessna maintenance manual and Lycoming service manual. Aircraft is returned to service for the maintenance performed above. [redacted] Aaron Jernigan [redacted] A&P
2/19/23	4.9 hrs	engine break in Ronnie Roslap 10 hr oil chg

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Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		N73154 S/N: 172-67293 Engine Logbook Lycoming: O-320-E2D S/N: L-37393-27A Date: 23 Mar 2023 Tach: 9606.1 Hobbs: 6516.6 Removed filter and drained oil. Installed CH48110-1 oil filter and 6 Qt A/S W100 Plus oil. Safety wired new filter. Cut old filter and found no contaminants. All maintenance *performed I/A/W Cessna maintenance manual.* Aircraft is returned to service for the maintenance performed above. [redacted] Aaron Jernigan [redacted] A&P Divided Sky Aviation
		N73154 S/N: 172-67293 Engine Logbook Lycoming: O-320-E2D S/N: L-37393-27A Date: 04/06/2023 Tach: 9617.1 Hobbs: 6530.5 Removed broken carburetor heat control cable and replaced with McFarlane Aviation carburetor heat control cable P/N: MCS1230-17. Rigged controls for proper operation and performed function test with no issues noted. All maintenance performed I/A/W Cessna maintenance manual. Aircraft is returned to service for the maintenance performed above. [redacted] Aaron Jernigan [redacted] A&P Divided Sky Aviation
		N73154 S/N: 172-67293 Engine Logbook Lycoming: O-320-E2D S/N: L-37393-27A Date: 04/07/2023 Tach: 9617.1 Hobbs: 6530.5 Removed R/H Slick magneto and replaced with rebuilt Bendix magneto P/N: 10-600644-1 S/N: E08IA254. Timed magneto to engine and performed ground run with no issues noted. All maintenance performed I/A/W Cessna maintenance manual and Lycoming maintenance manuals. Aircraft is returned to service for the maintenance performed above. [redacted] Aaron Jernigan [redacted] A&P Divided Sky Aviation

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Divided Sky Aviation

[redacted]

N73154 S/N: 172-67293 Engine Logbook
Lycoming: O-320-E2D S/N: L-37393-27A
Date: 02/14/2023 Tach: 9569.9 Hobbs: 6461.1 Total Engine Time: 5677.8

Installed overhauled Lycoming O-320-E2D S/N: L-37393-27A. Torqued engine mounting bolts to 450-500 lb/in. Serviced with 6 quarts mineral oil for break-in process. Installed overhauled carburetor P/N: 10-5135 S/N: MSE56812. Re-installed all other accessories, lines, hoses, and wires. Properly adjusted carburetor and carburetor heat cables. Attached Bendix magnetos, left hand P/N: 10-500514-1 S/N: D19CA059 and right hand P/N: 10-600644-1 S/N: E08IA254, properly timed. New spinner bulkhead installed when re-installing propeller and spacer. Propeller bolts torqued to 540-560 lb/in and safety wired. Performed ground run-up of engine. No leaks or defects noted. Rechecked engine mount nut torque after run-up. All maintenance performed I/A/W Cessna maintenance manual and Lycoming service manual. Aircraft is returned to service for the maintenance performed above.

[redacted]
Aaron Jernigan
[redacted] A&P

2/19/23	4.9 hrs	engine break in Ronnie Roslap 10 hr oil chg

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	TOTAL - CARRY FORWARD TO NEXT PAGE

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CARRIED FORWARD →		

N73154 S/N: 172-67293 Engine Logbook
Lycoming: O-320-E2D S/N: L-37393-27A
Date: 23 Mar 2023 Tach: 9606.1 Hobbs: 6516.6

Removed filter and drained oil. Installed CH48110-1 oil filter and 6 Qt A/S W100 Plus oil. Safety wired new filter. Cut old filter and found no contaminants. All maintenance *performed I/A/W Cessna maintenance manual.* Aircraft is returned to service for the maintenance performed above.

[redacted]
Aaron Jernigan
[redacted] A&P
Divided Sky Aviation

N73154 S/N: 172-67293 Engine Logbook
Lycoming: O-320-E2D S/N: L-37393-27A
Date: 04/06/2023 Tach: 9617.1 Hobbs: 6530.5

Removed broken carburetor heat control cable and replaced with McFarlane Aviation carburetor heat control cable P/N: MCS1230-17. Rigged controls for proper operation and performed function test with no issues noted. All maintenance performed I/A/W Cessna maintenance manual. Aircraft is returned to service for the maintenance performed above.

[redacted]
Aaron Jernigan
[redacted] A&P
Divided Sky Aviation

N73154 S/N: 172-67293 Engine Logbook
Lycoming: O-320-E2D S/N: L-37393-27A
Date: 04/07/2023 Tach: 9617.1 Hobbs: 6530.5

Removed R/H Slick magneto and replaced with rebuilt Bendix magneto P/N: 10-600644-1 S/N: E08IA254. Timed magneto to engine and performed ground run with no issues noted. All maintenance performed I/A/W Cessna maintenance manual and Lycoming maintenance manuals. Aircraft is returned to service for the maintenance performed above.

[redacted]
Aaron Jernigan
[redacted] A&P
Divided Sky Aviation

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AIRCRAFT MAINTENANCE RECORD Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		N73154 SN: 172-67293 Engine logbook Lycoming: O-320-E3D S/N: L-37393-27A Engine Logbook Date: 27 April 2023 Tach: 9647.3 HOBBS: 6575.5 I certify that this engine has been inspected in accordance with a 100hr/Annual inspection and was determined to be in an airworthy condition. Compression checks #1. 78/80, #2 78/80, #3 80/80, #4 80/80. Changed oil and cut filter, no metal particles found in filter. Installed Tempest AA8110-2 oil filter and 7 Qt A/S W100 Plus oil. Cleaned, gapped, and tested spark plugs. Checked magneto timing and set to 25 Degrees BTDC. Replaced air filter element P/N: BA6108. Post maintenance run up completed with no issues noted. AD's current and complied with. See AD listing. [redacted] Aaron Jernigan [redacted] A&P Divided Sky Aviation
4/27/2023		I certify this engine has been inspected IAW an annual inspection, and found to be in an airworthy condition. Exd- [redacted] A&P [redacted] I.A.

wo: WO_23 Engine · page 1 of 1

Divided Sky Aviation · 1013 Terminal Drive · Moselle, MS 39459 · 6014707092

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **July 09, 2023**
HOBBS: 6719.1 TACH: 9748.8

1. I Certify that this engine has been inspected IAW a 100 hr inspection and was determined to be airworthy at this time.
2. Compressions 1) 79/80 2) 79/80 3) 79/80 4) 79/80.
3. cleaned, gapped and tested spark plugs.
4. Changed oil and cut filter, no metal particles found in filter. Installed AA48110-2 oil filter and serviced with 7 qts Aeroshell W100+
5. Checked Magneto timing to engine and set to 25 degrees BTDC.
6. All AD's Current and complied with.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: WO_23.

Joshua Holifield A&P [redacted]

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	TOTAL - CARRY FORWARD TO NEXT PAGE

AIRCRAFT MAINTENANCE RECORD Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		wo: [redacted] Engine · page 1 of 1 Divided Sky Aviation · [redacted] **N73154** **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **July 31, 2023** HOBBS: 6790.2 TACH: 9799.0 Removed, cut and inspected filter. No metal particles found. Installed new AA48110-2 Oil filter and serviced with 6 qts. of Aeroshell W100+. Post maintenance run-up found no leaks. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted] Joshua Holifield A&P [redacted] wo: [redacted] Engine · page 1 of 1 Divided Sky Aviation · [redacted] **N73154** **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **August 14, 2023** HOBBS: 6790.2 TACH: 9822.0 Replace #1 Cylinder CHT probe with P/N: 5050. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted] Joshua Holifield A&P [redacted] wo: [redacted] Engine · page 1 of 2 Divided Sky Aviation · [redacted] **N73154** **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **September 05, 2023** HOBBS: 6855.3 TACH: 9845.7 Performed 100 hour inspection I/A/W 14 CFR appendix D and Lycoming M.M. 1. Removed, cut and inspected oil filter. No metal particles found. Replaced filter with P/N: AA48110-2. Serviced with 7qts. of Aeroshell W100+. 2. Cleaned, gapped, tested and inspected spark plugs. 3. Set magneto timing to 25* BTDC. 4. Pulled, cleaned and inspected oil pick-up screen. No metal particles found. Replaced crush washer. 5. Compressions 1. 78 2. 79 3. 79 4. 79. 6. Replaced air filter with BA-4108. Installed P/N BA-4108 - Brackett air filter. 7. Replaced air box bearings with P/N: MC0750113-1 and carb heat shaft with P/N: MC0550180-16 Installed P/N CCH-KT-2 - Carb Heat Repair Kit. I certify that this engine has been inspected I/AW a 100 hour inspection and was found to be airworthy at this time. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted] Joshua Holifield A&P [redacted]
		SUB-TOTAL THIS PAGE
		TOTAL - CARRY FORWARD TO NEXT PAGE

AIRCRAFT MAINTENANCE RECORD

Page No. ______

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		

N73154 SN: 172-67293 Engine logbook
Lycoming: O-320-E3D S/N: L-37393-27A Engine Logbook
Date: 27 April 2023 Tach: 9647.3 HOBBS: 6575.5

I certify that this engine has been inspected in accordance with a 100hr/Annual inspection and was determined to be in an airworthy condition. Compression checks #1. 78/80, #2 78/80, #3 80/80, #4 80/80. Changed oil and cut filter, no metal particles found in filter. Installed Tempest AA8110-2 oil filter and 7 Qt A/S W100 Plus oil. Cleaned, gapped, and tested spark plugs. Checked magneto timing and set to 25 Degrees BTDC. Replaced air filter element P/N: BA6108. Post maintenance run up completed with no issues noted.

AD's current and complied with. See AD listing.

[redacted]
Aaron Jernigan
[redacted] A&P
Divided Sky Aviation

Date	Total Time	Description
4/27/2023		I certify this engine has been inspected IAW an annual inspection, and found to be in an airworthy condition. End- [redacted] A&P [redacted] I.A.

WO: [redacted]

Engine · page 1 of 1

Divided Sky Aviation

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **July 09, 2023**
HOBBS: 6719.1 TACH: 9748.8

1. I Certify that this engine has been inspected IAW a 100 hr inspection and was determined to be airworthy at this time.
2. Compressions 1) 79/80 2) 79/80 3) 79/80 4) 79/80.
3. cleaned, gapped and tested spark plugs.
4. Changed oil and cut filter, no metal particles found in filter. Installed AA48110-2 oil filter and serviced with 7 qts Aeroshell W100+
5. Checked Magneto timing to engine and set to 25 degrees BTDC.
6. All AD's Current and complied with.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

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Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		Engine · page 1 of 1
	wo: [redacted]	
		Divided Sky Aviation
		Divided Sky Aviation [redacted]
		N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **July 31, 2023** HOBBS: 6790.2 TACH: 9799.0 Removed, cut and inspected filter. No metal particles found. Installed new AA48110-2 Oil filter and serviced with 6 qts. of Aeroshell W100+. Post maintenance run-up found no leaks. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted] Joshua Holifield A&P [redacted]
		wo: WO_45 Engine · page 1 of 1
		Divided Sky Aviation
		Divided Sky Aviation · [redacted]
		N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **August 14, 2023** HOBBS: 6790.2 TACH: 9822.0 Replace #1 Cylinder CHT probe with P/N: 5050. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted] Joshua Holifield A&P [redacted]
		wo: [redacted] Engine · page 1 of 2
		Divided Sky Aviation
		Divided Sky Aviation [redacted]
		N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **September 05, 2023** HOBBS: 6855.3 TACH: 9845.7 Performed 100 hour inspection I/A/W 14 CFR appendix D and Lycoming M.M. 1. Removed, cut and inspected oil filter. No metal particles found. Replaced filter with P/N: AA48110-2. Serviced with 7qts. of Aeroshell W100+. 2. Cleaned, gapped, tested and inspected spark plugs. 3. Set magneto timing to 25* BTDC. 4. Pulled, cleaned and inspected oil pick-up screen. No metal particles found. Replaced crush washer. 5. Compressions 1. 78 2. 79 3. 79 4. 79. 6. Replaced air filter with BA-4108. Installed P/N BA-4108 - Brackett air filter. 7. Replaced air box bearings with P/N: MC0750113-1 and carb heat shaft with P/N: MC0550180-16 Installed P/N CCH-KT-2 - Carb Heat Repair Kit. I certify that this engine has been inspected I/AW a 100 hour inspection and was found to be airworthy at this time. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted] Joshua Holifield A&P [redacted]
		SUB-TOTAL THIS PAGE
		TOTAL - CARRY FORWARD TO NEXT PAGE

AIRCRAFT MAINTENANCE RECORD Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		

wo: [redacted] Engine · page 1 of 1

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **October 02, 2023**
HOBBS: 6922.1 TACH: 9893.6

Removed, cut and inspected oil filter. No metal particles found. Replaced Filter with P/N: AA48110-2 and serviced with 7 qts of Aeroshell W100+.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

wo: [redacted] Engine · page 1 of 1

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **November 22, 2023**
HOBBS: 6995.1 TACH: 9944.3

1. Oil and filter change.
2. Cleaned, tested and inspected spark plugs.
3. Set magneto timing to 25 degrees before TDC.
4. Pulled, cleaned and inspected oil pick-up screen.
5. Compressions 1. 72/80 | 2. 75/80 | 3. 77/80 | 4. 75/80.
6. Drained, Cleaned, and Inspected Gascolator.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Aaron Jernigan A&P [redacted]

wo: WO_141 Engine · page 1 of 1

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **January 08, 2024**
HOBBS: 7063.9 TACH: 9992.1

Removed, cut and inspected oil filter. No metal particles found. Replaced filter with AA48110-2 and serviced with 6 qts of Aeroshell W100+.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

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AIRCRAFT MAINTENANCE RECORD Page No. _____

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CARRIED FORWARD →		

wo: [redacted] Propeller · page 1 of 1

Divided Sky Aviation · [redacted]

N73154 **January 26, 2024**
HOBBS: 7117.5 TACH: 10030.3

1. Performed 100 hour inspection I/A/W 14 CFR part 43 Appendix D and McCauley Maintenance Manual
2. Cleaned and dressed propeller.

I certify that this propeller has been inspected I/A/W a 100 hour inspection and was found to be airworthy at this time.

With respect to the work performed, this propeller is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: WO_154.

Joshua Holifield A&P [redacted]

wo: [redacted] Engine · page 1 of 1

[redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **January 26, 2024**
HOBBS: 7117.5 TACH: 10030.3

1. Performed 100 hour inspection I/A/W 14 CFR Part 43 Appendix D and Lycoming Maintenance Manual.
2. Removed, cut and inspected oil filter. No metal particles found. Replaced filter with owner provided P/N: CH48110-1 and serviced with 6qts of Aeroshell W100+.
3. Cleaned, tested and inspected spark plugs.
4. Set magneto timing to 25° BTDC.
5. Pulled, cleaned and inspected oil pick-up screen.
6. Compressions 1. 76 / 80 | 2. 77/80 | 3. 78/80 | 4. 76/80.
7. Replaced 4ea spark plugs with P/N: UREM37BY Installed (4) P/N UREM37BY - Spark Plug.

I certify that this engine has been inspected I/A/W a 100 hour inspection and was found to be airworthy at this time.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

Aircraft Inspection and Repair [redacted]

Make: Textron (Cessna)
Model: 172M
Tail: N73154
S/N: 17267293

Hours: TT: 130.4 Hobbs: 7256.4

ENGINE: Compressions: (1) 78/80, (2) 78/80, (3) 77/80, (4) 78/80. Drained used engine oil and removed used engine oil filter. Serviced engine with 6 Quarts of Aeroshell W100 Plus and new engine oil filter. Removed, cleaned, gapped, inspected, and reinstalled spark plugs. Verified magneto timing. Performed engine runup and leak checked GOOD. All current ADs CW, see AD listing for compliance. Performed 100hour/annual inspection IAW Lycoming Maintenance Manuals and FAR 43 appendix D. I certify this engine has been inspected IAW a 100hour/annual inspection and determined to be in airworthy condition.

Signed: [redacted] **Cert:** [redacted]
Name: David Sanford **Date:** 03/27/2024

annual due 3-

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AIRCRAFT MAINTENANCE RECORD

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Engine · page 1 of 1

wo: [redacted]

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **October 02, 2023**
HOBBS: 6922.1 TACH: 9893.6

Removed, cut and inspected oil filter. No metal particles found. Replaced Filter with P/N: AA48110-2 and serviced with 7 qts of Aeroshell W100+.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

Engine · page 1 of 1

wo: WO_104

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **November 22, 2023**
HOBBS: 6995.1 TACH: 9944.3

1. Oil and filter change.
2. Cleaned, tested and inspected spark plugs.
3. Set magneto timing to 25 degrees before TDC.
4. Pulled, cleaned and inspected oil pick-up screen.
5. Compressions 1. 72/80 | 2. 75/80 | 3. 77/80 | 4. 75/80.
6. Drained, Cleaned, and Inspected Gascolator.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Aaron Jernigan A&P [redacted]

Engine · page 1 of 1

wo: [redacted]

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **January 08, 2024**
HOBBS: 7063.9 TACH: 9992.1

Removed, cut and inspected oil filter. No metal particles found. Replaced filter with AA48110-2 and serviced with 6 qts of Aeroshell W100+.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

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AIRCRAFT MAINTENANCE RECORD Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		

wo: [redacted]

Propeller · page 1 of 1

Divided Sky Aviation

Divided Sky Aviation [redacted]

N73154 **January 26, 2024**
HOBBS: 7117.5 TACH: 10030.3

1. Performed 100 hour inspection I/A/W 14 CFR part 43 Appendix D and McCauley Maintenance Manual
2. Cleaned and dressed propeller.

I certify that this propeller has been inspected I/A/W a 100 hour inspection and was found to be airworthy at this time.

With respect to the work performed, this propeller is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

wo: [redacted]

Engine · page 1 of 1

Divided Sky Aviation

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **January 26, 2024**
HOBBS: 7117.5 TACH: 10030.3

1. Performed 100 hour inspection I/A/W 14 CFR Part 43 Appendix D and Lycoming Maintenance Manual.
2. Removed, cut and inspected oil filter. No metal particles found. Replaced filter with owner provided P/N: CH48110-1 and serviced with 6qts of Aeroshell W100+.
3. Cleaned, tested and inspected spark plugs.
4. Set magneto timing to 25* BTDC.
5. Pulled, cleaned and inspected oil pick-up screen.
6. Compressions 1. 76 / 80 | 2. 77/80 | 3. 78/80 | 4. 76/80.
7. Replaced 4ea spark plugs with P/N: UREM37BY Installed (4) P/N UREM37BY - Spark Plug.

I certify that this engine has been inspected I/A/W a 100 hour inspection and was found to be airworthy at this time.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

Aircraft Inspection and Repair [redacted]

Make: Textron (Cessna)
Model: 172M
Tail: N73154
S/N: 17267293

Hours: TT: 130.4 Hobbs: 7256.4

ENGINE: Compressions: (1) 78/80, (2) 78/80, (3) 77/80, (4) 78/80. Drained used engine oil and removed used engine oil filter. Serviced engine with 6 Quarts of Aeroshell W100 Plus and new engine oil filter. Removed, cleaned, gapped, inspected, and reinstalled spark plugs. Verified magneto timing. Performed engine runup and leak checked GOOD. All current ADs CW, see AD listing for compliance. Performed 100hour/annual inspection IAW Lycoming Maintena[redacted] Manuals and FAR 43 appendix D. I certify this engine has been inspected IAW a 100hour/annual inspection a[redacted] determined to be in airworthy condition.

Annual Due 3-

Signed: [redacted] **Cert:** [redacted]

Name: David Sanford **Date:** 03/27/2024

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wo: [redacted] Engine - page 1 of 1

Divided Sky Aviation [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **April 29, 2024**
HOBBS: 7322.8 TACH: 10173.9

1. Replaced #2 and #4 bottom spark plugs with P/N: UREM37BY Installed (2) P/N UREM37BY - Spark Plug.
2. Checked magneto to engine timing. Noted L/H mag to be set to 28° and R/H mag to be set to 10. *Retimed magnetos to 25* BTDC and performed ground run. Magneto drop now within limits.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&[redacted]

wo: [redacted] Engine - page 1 of 1

Divided Sky Aviation [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **May 02, 2024**
HOBBS: 7333.2 TACH: 10181.5

Removed, cut and inspected oil filter. No metal particles found. Replaced filter with AA48110-2 and serviced with 6 qts of Aeroshell W100+ (owner provided).

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

wo: [redacted] Engine - page 1 of 2

Divided Sky Aviation [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **May 22, 2024**
HOBBS: 7388.0 TACH: 10222.0

1. Performed a 100 hour inspection I/A/W 14 CFR Part 43 Appendix D and Lycoming M.M.
2. Removed, cut and inspected filter. No metal particles found. Removed oil pick-up screen and inspected. No metal particles found. Replaced filter with AA48110-2 and serviced with 6 qts of Aeroshell W100+.
3. Cleaned, tested and inspected spark plugs.
4. Compressions | 1. 76 | 2. 74 | 3. 72 | 4. 74 |
5. Removed L/H and R/H magneto and performed 500 hour inspection I/A/W Bendix M. M.
6. Found R/H magneto to have faulty oil seal and replaced seal. Timed magnetos internally and reinstalled on aircraft. Set magneto timing to 25° BTDC.

I certify that this engine has been inspected I/A/W a 100 hour inspection and was found to be airworthy at this time.

wo: [redacted] Engine - page 2 of 2

Divided Sky Aviation [redacted]

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: WO_208.

Joshua Holifield A&P [redacted]

AIRCRAFT MAINTENANCE RECORD Page No. _____

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wo: WO_232 Engine - page 1 of 1

Divided Sky Aviation - [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **August 07, 2024**
HOBBS: 7533.6 TACH: ~~1208.4~~ 10,326

100 hr

1. Removed, cut and inspected oil filter. No metal particles found. Replaced filter with P/N: AA481[redacted] and serviced with 6qts of Aeroshell W100+ (owner provided).
2. Cleaned, tested and inspected spark plugs.
3. Set magneto timing to 25° BTDC.
4. Pulled, cleaned and inspected oil pick-up screen.
5. Compressions | 1. 76 | 2. 79 | 3. 77 | 4. 79 |.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: WO_232.

Aaron Jernigan A&P [redacted]

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AIRCRAFT MAINTENANCE RECORD

Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK

CARRIED FORWARD

wo: [redacted]

Divided Sky Aviation [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **April 29, 2024**
HOBBS: 7322.8 TACH: 10173.9

1. Replaced #2 and #4 bottom spark plugs with P/N: UREM37BY Installed (2) P/N UREM37BY - Spark Plug.
2. Checked magneto to engine timing. Noted L/H mag to be set to 28* and R/H mag to be set to 10. *Retimed magnetos to 25* BTDC and performed ground run. Magneto drop now within limits.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

wo [redacted]

Divided Sky Aviation [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **May 02, 2024**
HOBBS: 7333.2 TACH: 10181.5

Removed, cut and inspected oil filter. No metal particles found. Replaced filter with AA48110-2 and serviced with 6 qts of Aeroshell W100+ (owner provided).

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

wo: [redacted]

Divided Sky Aviation · [redacted]

N73154 **LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD** **May 22, 2024**
HOBBS: 7388.0 TACH: 10222.0

1. Performed a 100 hour inspection I/A/W 14 CFR Part 43 Appendix D and Lycoming M.M.
2. Removed, cut and inspected filter. No metal particles found. Removed oil pick-up screen and inspected. No metal particles found. Replaced filter with AA48110-2 and serviced with 6 qts of Aeroshell W100+.
3. Cleaned, tested and inspected spark plugs.
4. Compressions | 1. 76 | 2. 74 | 3. 72 | 4. 74 |
5. Removed L/H and R/H magneto and performed 500 hour inspection I/A/W Bendix M. M.
6. Found R/H magneto to have faulty oil seal and replaced seal. Timed magnetos internally and reinstalled on aircraft. Set magneto timing to 25* BTDC.

I certify that this engine has been inspected I/A/W a 100 hour inspection and was found to be airworthy at this time.

wo: [redacted]

Divided Sky Aviation · [redacted]

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Joshua Holifield A&P [redacted]

AIRCRAFT MAINTENANCE RECORD

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WO: [redacted]

Engine · page 1 of 1

Divided Sky Aviation [redacted]

N73154
HOBBS: 7533.6

LYCOMING, 0-320 SERIES, S/N: ENGINE SN TBD
TACH: ~~1208.4~~ 10,326

August 07, 2024

100 hr

1. Removed, cut and inspected oil filter. No metal particles found. Replaced filter with P/N: AA481 and serviced with 6qts of Aeroshell W100+ (owner provided).
2. Cleaned, tested and inspected spark plugs.
3. Set magneto timing to 25* BTDC.
4. Pulled, cleaned and inspected oil pick-up screen.
5. Compressions | 1. 76 | 2. 79 | 3. 77 | 4. 79 |.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Divided Sky Aviation under work order: [redacted]

Aaron Jernigan A&P [redacted]

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