

Engine

Maintenance Records

Aircraft No. N52436

Log No. 2

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N52436

Aircraft Mfg. Cessna Model 172P Serial No. 17274520

Engine Mfg. Lycoming Model D-320-D2J Serial No. L-10669-39A

DESCRIPTION OF WORK PERFORMED

wo: WO_184

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**52436****Lycoming O-320-D2J, S/N: Lycoming L-10699-39A****January 03, 2024**

MX HOBBS: 1690.4

TSN: 3649.1

1. Inspected Engine IAW 100 hr checklist. Engine compression: 1- 71/80, 2- 70/80, 3- 62/80, 4- 73/80. Removed, cleaned, gapped, tested, and reinstalled spark plugs. Removed oil filter, inspected, no metal noted, reinstalled new filter. Serviced with 7 qts of Phillips 100AW oil. Removed, inspected, cleaned, and reinstalled oil sump screen with new gasket, no metal noted. Removed, inspected, and reinstalled carburetor inlet screen with new gasket. Post inspection run up and leak check good. All work ref. Cessna SM, Lycoming SM, CFR 43 Appendix D, AC43.13-1B, ICA's and standard practices.
2. removed right mag P/N:4371 S/N:16110694 and replaced with repaired mag P/N:4371 S/N:22060563 ops and leak check in post inspection run up good.
3. removed all 8 spark plugs P/N: UREM38S and installed 8 new spark plugs P/N: REM38E ops check during post inspection run up good.

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

wo: WO_192

Engine 100 Hour - page 1 of 1

**52436****Lycoming O-320-D2J, S/N: Lycoming L-10699-39A****January 26, 2024**

MX HOBBS: 1786.9

TSN: 3745.6

1. Inspected Engine IAW 100 hr checklist. Engine compression: 1- 65/80, 2- 68/80, 3- 70/80, 4- 72/80. Removed, cleaned, gapped, tested, and reinstalled spark plugs. Removed oil filter, inspected, no metal noted, reinstalled new filter. Serviced with 7 qts of Phillips 100AW oil. Removed, inspected, cleaned, and reinstalled oil sump screen with new gasket, no metal noted. Removed, inspected, and reinstalled carburetor inlet screen with new gasket. Post inspection run up and leak check good. All work ref. Cessna SM, Lycoming SM, CFR 43 Appendix D, AC43.13-1B, ICA's, and standard practices.
2. Replaced upper #2 and bottom #3 spark plugs with tested serviceable spark plugs p/n: REM38E.

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

DESCRIPTION OF WORK PERFORMED

wo: WO_170

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52436 **Lycoming O-320-D2J, S/N: Lycoming L-10699-39A**
MX HOBBS: 1397.1 TSN: 3355.8

October 21, 2023

1. Inspected Engine IAW 100 hr checklist. Engine compression: 1- 78/80, 2- 76/80, 3- 75/80, 4- 79/80. Removed, cleaned, gapped, tested, and reinstalled spark plugs. Removed oil filter, inspected, no metal noted, reinstalled new filter. Serviced with 6 qts of Phillips 100AW oil. Removed, inspected, cleaned, and reinstalled oil sump screen with new gasket, no metal noted. Post inspection run up and leak check good. All work referencing Cessna SM, Lycoming SM, CFR 43 Appendix D, AC43.13-1B, ICA's and standard practices.
2. Tightened loose dipstick tube and re-safetied.

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

wo: WO_174

Engine 100 Hour - page 1 of 1



52436 **Lycoming O-320-D2J, S/N: Lycoming L-10699-39A**
MX HOBBS: 1495.0 TSN: 3453.7

November 15, 2023

1. Inspected Engine IAW 100 hr checklist. Engine compression: 1- 68/80, 2- 69/80, 3- 74/80, 4- 75/80. Removed, cleaned, gapped, tested, and reinstalled spark plugs. Removed oil filter, inspected, no metal noted, reinstalled new filter. Serviced with 7 qts of Phillips 100AW. Removed, inspected, cleaned, and reinstalled oil sump screen with new gasket, no metal noted. Removed, inspected, and reinstalled carburetor inlet screen with new gasket. Post inspection run up and leak check good. All work ref. Cessna SM, Lycoming SM, CFR 43 Appendix D, AC43.13-1B, ICA's and standard practices.
2. Removed left mag p/n 4371 s/n 22060563 and installed repaired mag p/n 4371 16110908, Removed right mag p/n 4371 s/n 22060562 and installed repaired mag p/n 4371 16110964. OPS and leak check good on engine run-up.

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

wo: WO_176

Engine 100 Hour - page 1 of 1



52436 **Lycoming O-320-D2J, S/N: Lycoming L-10699-39A**
MX HOBBS: 1594.6 TSN: 3553.3

December 06, 2023

1. Inspected Engine IAW 100 hr checklist. Engine compression: 1- 64/80, 2- 62/80, 3- 72/80, 4- 74/80. Removed, cleaned, gapped, tested, and reinstalled spark plugs. Removed oil filter, inspected, no metal noted, reinstalled new filter. Serviced with 7 qts of Phillips 100AW oil. Removed, inspected, cleaned, and reinstalled oil sump screen with new gasket, no metal noted. Removed, inspected, and reinstalled carburetor inlet screen with new gasket. Post inspection run up and leak check good. All work ref. Cessna SM, Lycoming SM, CFR 43 Appendix D, AC43.13-1B, ICA's and standard practices.
2. Installed a new spark plug p/n UREM38S on lower #2 cyl.

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

DESCRIPTION OF WORK PERFORMED

06/30/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
1108.4	3067.1	N/A	3067.1	

Complied with Annual inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

Adjusted engine idle RPM.

I certify this aircraft has been inspected referencing an Annual checklist and is approved for return to service at this time.

[REDACTED]

[REDACTED]

[REDACTED]

08/18/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
1206.9	3165.6	N/A	3165.6	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Replaced induction air filter (BA6108). Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

- 1) Replaced #4 cyl. assy. with new cyl. assy kit p/n 5K21100.
- 2) Installed a new assembly drive gasket p/n 73818.
- 3) Installed a new oil fill tube gasket p/n 72059.
- 4) Retimed LH and RH mags to engine.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

[REDACTED]

[REDACTED]

[REDACTED]

wo: WO_167

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52436

Lycoming O-320-D2J, S/N: Lycoming L-10699-39A

September 21, 2023

MX HOBBS: 1297.6

TSN: 3256.3

Inspected Engine IAW 100 hr checklist. Engine compression: 1- 78/80, 2- 76/80, 3- 78/80, 4- 79/80. Removed, cleaned, gapped, tested, and reinstalled spark plugs. Removed oil filter, inspected, no metal noted, installed new oil filter. Serviced with 7 qts of Aeroshell 100W oil. Removed, inspected, cleaned, and reinstalled oil sump screen with new gasket, no metal noted. Removed, inspected, and reinstalled carburetor inlet screen with new gasket. Post inspection run up and leak check good. All work referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

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

[REDACTED]

[REDACTED]

DESCRIPTION OF WORK PERFORMED

04/22/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
862.7	2821.4	N/A	2821.4	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Replaced induction air filter (BA6108). Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

Adjusted LH and RH mag timing.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

05/15/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
961.8	2920.5	N/A	2920.5	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Replaced induction air filter (BA6108). Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

Installed new spark plug p/n UREM38S on #3 lower cylinder.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

06/14/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
1058.5	3017.2	N/A	3017.2	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Replaced induction air filter (BA6108). Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

Installed new spark plug p/n UREM38S on #2 lower cylinder.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

DESCRIPTION OF WORK PERFORMED

02/25/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
574.2	2532.9	N/A	2532.9	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Replaced induction air filter (BA6108). Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

03/16/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
671.8	2630.5	N/A	2630.5	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Replaced induction air filter (BA6108). Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

04/04/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
763.6	2722.3	N/A	2722.3	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Replaced induction air filter (BA6108). Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

DESCRIPTION OF WORK PERFORMED

12/14/2022	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
283.7	2242.4	N/A	2242.4	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Cleaned induction air filter. Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

01/03/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
382.1	2340.8	N/A	2340.8	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Cleaned induction air filter. Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

1) Replaced #1 and #3 lower spark plugs with new.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

01/30/2023	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
481.0	2439.7	N/A	2439.7	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

- 1) Replaced #2 and #4 upper spark plugs with new.
- 2) Removed LH mag p/n 4371 s/n 16040160 and installed new mag p/n 4371 s/n 22060562.
- 3) Removed RH mag p/n 4371 s/n 19061177 and installed new mag p/n 4371 s/n 22060563.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

DESCRIPTION OF WORK PERFORMED

DATE	WO-VAMX-219	Engine - 0320-D2J	LICENSE NUMBER
	N52436	June 15, 2022	
	TACH TTENG: 1937.2		
An Annual Inspection was performed on this Engine In Accordance With FAR Part 43, Appendix D and was determined to be in Airworthy Condition. Compressions; #1)75/80, #2)71/80, #3)77/80, #4)79/80. Cleaned spark plugs. Checked engine timing. Cleaned & inspected induction air filter (last run). Changed engine oil using (7) qts. Aeroshell 15W50. Changed filter using CH48110-1. Old filter opened & inspected, no debris noted. Oil sample taken. Tightened tach drive cable & vac pump blank plate. AD listing up to date and provided in AC Records. Ran engine, leak & power check satisfactory. With respect to the work performed, this Engine is approved for return to service. Details of work performed are on file with Atkinson Aeronautics & Technology, Inc. under work order: WO-VAMX-219.			
CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE			

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10/31/2022	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
92.7	2051.4	N/A	2051.4	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Cleaned induction air filter. Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.

11/22/2022	N52436	Lycoming O-320-D2J	S/N: L-10669-39A	Engine Log
MX Hobbs	ACTT	ENG's SMOH	ENG's TSN	
185.4	2144.1	N/A	2144.1	

Complied with a 100-hour inspection. Drained oil, inspected and replaced oil filter (AA48110-2) no defects noted at this time, serviced with 7 qts Phillips Victory 100AW. Cleaned induction air filter. Operational and leak checks good. All work done referencing Cessna SM, Lycoming SM, CFR Part 43 Appendix D, AC43.13-1B, ICA's and standard practices.

Installed new intake tube gaskets on all 4 cylinders.
Installed new intake tube to sump hose on all 4 cylinders.

I certify this aircraft has been inspected referencing a 100-hour checklist and is approved for return to service at this time.