

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

MOONEY M20B — ENGINE LOGBOOK ENTRY

Engine: Lycoming O-360-A1D

Date: 3-22-26

Performed preventive maintenance in accordance with 14 CFR Part 43, Appendix A. Changed engine oil on Lycoming O-360-A1D. Drained existing oil and serviced engine with 8 quarts of Phillips aviation oil, SAE 20/50M. Removed and replaced oil filter with CH4810-1 filter. Inspected filter for contamination/metal and found NONE. Checked for oil leaks and verified proper oil level following engine run-up. Aircraft approved for return to service.

Aircraft Total Time:	<u>5,754.6</u>	Engine Total Time:	<u>34.6</u>
Tach:	<u>5,754.6</u>	Oil Quantity:	<u>8</u> quarts

Signature: Keith B. Smith

Pilot Certificate No.: 3544105

Certificate Type: Private Pilot

Note: Complete only the portions that accurately describe the work actually performed. If the aircraft uses a pressure screen rather than an oil filter, revise the filter wording accordingly.

MOONEY M20B — ENGINE LOGBOOK ENTRY

Engine: Lycoming O-360-A1D

Date: 8-28-25

Performed preventive maintenance in accordance with 14 CFR Part 43, Appendix A. Changed engine oil on Lycoming O-360-A1D. Drained existing oil and serviced engine with 8 quarts of Phillips aviation oil, SAE 10/50M. Removed and replaced oil filter with CH4810-1 filter. Inspected filter for contamination/metal and found NONE. Checked for oil leaks and verified proper oil level following engine run-up. Aircraft approved for return to service.

Aircraft Total Time:	<u>5,731</u>	Engine Total Time:	<u>11</u>
Tach:	<u>5,731</u>	Oil Quantity:	<u>8</u> quarts

Signature: Keith B Smith

Pilot Certificate No.: 3544105

Certificate Type: Private Pilot

Note: Complete only the portions that accurately describe the work actually performed. If the aircraft uses a pressure screen rather than an oil filter, revise the filter wording accordingly.

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

ZEPHYR AIRCRAFT ENGINES INC.

39320 B Avenue, Zephyrhills FL. 33542
(813) 788-3305. FAX (813) 788-4412

W.O. No. 224183Mfg. LycomingSerial No. L-10901-36ADated: June 12, 2025Model: O-360-A1D

Engine Total Time: _____

Time since Major Overhaul: 0.00

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits. The engine was disassembled, cleaned, and inspected in accordance with the manufacture's instructions. All steel parts magnafluxed, reassembled and test run in accordance with manufacturer's current overhaul manual, and in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of these repairs are on file at this agency under the W.O. 224183 listed above. All applicable Airworthiness Directives thru 2025-11 are in compliance. See A.D. list supplied.

F.A.A. APPROVED REPAIR STATION #V14R397M



Authorized Signature

Herman Vollrath

Note:

Cylinders are nickel barrel

Components, Accessories, & Related Parts supplied or installed.			Overhauled	Repaired	Not Repaired
Carburetor.	P/N. AV10-3879	S/N. AV112741056			X.
Fuel Pump	P/N. LW-15472	S/N. 1H0P22		X exch	
Left Magneto	P/N. 10-51360-37	S/N. 861682		X	
Right Magneto	P/N. 10-51360-29	S/N. 860836		X	
Vacuum Pump	P/N. AA3215CC	S/N. 1641322			X
Starter Motor	P/N. 149NL	S/N. H-X120700			X
Spark Plugs	P/N. REM40E (NEW)				
Ignition Harness	P/N. 10-821471-2 (NEW)				
Oil Filter	P/N. CH48110-1				

Date: 06/26/2025 Hours: TSMOH: 0

Tail#: N921XP

Make: Mooney

Model: M20B

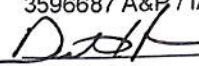
S/N: 1905

Installed Lycoming Engine Model O-360-A1D SN L10901-36A on N921XP after engine overhaul IAW Mooney Service Manual, and Lycoming Operators - Installation Manual. Installed Propeller after overhaul IAW Hartzell Manual 149. Performed engine operational and leak checks with no defects noted. Preformed dynamic propeller balance achieved .02 IPS.



Dwight Henderson

Cert: 3596687 A&P / IA

Sign: 

TOTALS-Carry forward to next page



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N92LXP

Engine Manufacturer Lycoming

Model O-360-A1D

Serial No. L-10901-36A

Date installed on aircraft 06-26-2025

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| ☐ Right | ☐ Left |
| ☐ Front | ☐ Rear |

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

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N549KM

N921XP HRS 5670

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ENGINE LOG

ASA-SE-2

MAINTENANCE RELEASE

11/21/09

Major overhaul lower end O-360-A1D engine in accordance with manufacturer's specifications. All current AD's complied with at overhaul. All work performed according to Lycoming overhaul manual. Magnaflex & Zyglo inspection by One Stop.

WO # 24294 on file at: One Stop Aviation, Inc.
FAA Repair Station XR3R981L
1119 S. Cleveland Street
Oceanside, CA 92054

Model # O-360-A1D

Serial # L-10901-36A

Authorized representative

[Signature]
Paul Gundersen

0" Smol lower End.

ption of Inspections, Tests, Repairs and Alterations

Type: Lycoming O-360-A1D

QTY	PART NUMBER	DESCRIPTION
1	SL 75439-1	gasket set
8	sl 74644	rod bolt
8	SL 12186	nut - rod
8	SL 13521A	rod bearing
4	SL 11020 M06	brg main
2	SL 13884A M06	main bearing
1	SL STD 2213	crank bolt
3	SL 31H-O.88	screw
1	STD 2168	nut
1	SL 1028-B	op ball
1	SL 61084	op spring
4	SL 13923A	rod bushing
4	SL STD 1821	oil return hose
4	SL 69603	hose intake
1	LW 11754	camshaft regrnd
8	72877	lifter bodies regrnd

YEAR 2009 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.)

2/1	4499.1		05MOH	ENGINE LOG 2/1/2009 N549KM LYCOMIING O-360-A1D SN L-10901-36A 4899.1TACH 3114.7TTAF 0 SMOH
				Installed 4 overhauled Cylinder assemblies from One Stop Aviation. Installed new 4370 and 4371 slick mag assemblies. Installed serviceable carburetor, starter and alternator. All work was performed in accordance the Lycoming overhaul manual and the Cessna Service manual. Engine was installed on N549KM and test ran satisfactorily. This engine was serviced and inspected in accordance with the Cessna 100 hr/annual inspection. Serviced with Aeroshell 100 non - detergent oil. A challenger oil filter was installed per STC. This engine was inspected I accordance with an annual inspection and was found to be in airworthy condition.
4/7/09	4922.4			
MT	PROP INST.		OSNEW	
9/13/10	4932.4		33.3	OIL CHANGED, FILTER CLEANED, SERVICED WITH AEROSHELL 100 PLUS. INSTALLED SK-1-TECH STARTER (NEW) Paul Gundersen A&P2451836

[Signature]
Paul Gundersen A&P2451836IA

Engine Record General Information

Manufacturer LYCOMING Model O-360-A10

Serial L10901-36A Type Certificate _____

This engine is currently installed in aircraft: N549KM SN 172 69191

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____

Magneto Time 25° BTC Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

per Lycoming
O-360

N549KM

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 ENGINE LOG

ASA-SE-2

DATE
19__RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
TIME IN
SERVICEDESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

9/1/04

4494.1

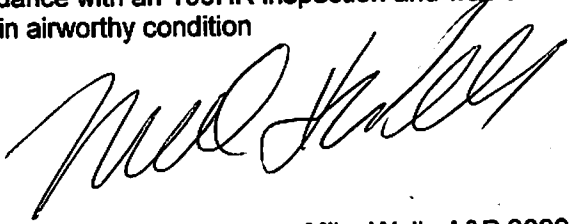
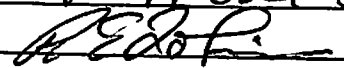
853.7

ENGINE REMOVED FOR OVERHALL
OIL RING #2 CYL FAILED. REMOVED
ALL CYL FOR T.O.H AND FOUND CAM
BADLY PITTED. ENGINE OVERHAULED
WITH NEW CAM. - NEW LOG. STARTING

Paul D. M. J. A. P. 2451436 I 2

TT5N 2974.1 ✓

12 NO

DATE 2006 12-19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				<u>Air Tolin</u>
12/8/06	4856.1			Lunken Airport Cincinnati, Ohio 513-871-8235 N549KM 12/8/06 TT4856.1 TSMOH 810.7 changed oil and filter added 8qts Aeroshell 15W50 new CH48110-1 filter cleaned sparkplugs checked magneto timing compression 2 77/80 4 74/80 removed #1 and #3 cylinders due to low compression sent to Signatures engines for repair see 8130-3 for work done reinstalled in accordance with Lycoming maintence manual using new gaskets and seals ground run leak check I certify that this engine has been inspected in accordance with an 100HR inspection and was determined to be in airworthy condition  Mike Wells A&P 20997621A
July-06-07				1 78 over 80 2 75 over 80 3 77 over 80 4 77 over 80 

DATE 1998	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
08-18	TAC	3531.7	1434.7	COMPRESSION TEST #1 76/80 #2 79/80 #3 76/80 #4 76/80 WASHED & RAN ENGINE, INSTALLED AIR HOSES OIL LINES AND FUEL LINES, CHANGED OIL & OIL FILTER Filter & Replaced I certify that I have inspected this ENGINE in accordance with a 100 hr inspection requirements and determined it to be in an airworthy condition. Ronald G. Wilton Ronald G. Wilton IA 451743034
9/18	hubs	1454.7 + 75.0	1509.7	oil & filter change Aeroshell 15W-50
10/25		1509.7 + 75.0	1584.7	oil & filter change Aeroshell 15W-50
11/20		1584.7 50.0	1634.7	oil & filter change Aeroshell 15W-50
1/20/99		1634.7 60.0	1694.7	oil & filter change Aeroshell 15W-50
5/15/99		1694.7 22.7	1727.4	oil & filter change Aeroshell 15W-50
1437.4 new hubs				

DATE 1999	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9-1-99	3809.4		1884.4	ENGINE CLEAN FOR ANNUAL INSPECTION. INSPECTED & LUBED ENGINE CONTROLS. CHECKED ENGINE MOUNT & VIBRATION ISOLATORS. CHECKED EXHAUST. CHECKED SPARK PLUGS & MAGNETO TIMING. CHANGED OIL & FILTER. CHECKED OIL FILTER & SUCTION SCREEN FOR WATER; NONE. SERVICED ENGINE WITH AEROSHELL 15W-50. CHECKED FUEL STRAINERS. REPLACED AIR FILTER. DRESSED PROPELLER. CHECKED COMPRESSION. #1 74/80 #2 75/80 #3 72/80 #4 74/80. RAN ENGINE, NO LEAKS, MAG DROP GOOD. ENGINE INSPECTED AS PER FAR 43 APP. D CHECKLIST.
Log Closed See Log #4 BenACD AP2219241				

I CERTIFY THAT THIS ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH AN ANNUAL INSPECTION AND
HAS BEEN DETERMINED TO BE IN AN
AIRWORTHY CONDITION.
SIGNED BenACD MS603385911
TACH: 3809.4, TE: 1884.4

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER AVCO Lycoming MODEL O-360 A2D
SERIAL L 10901-36A TYPE CERTIFICATE _____
THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT # Cessna 172M Serial # 17269191
N 549 K N
MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____
MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____
SPARK PLUG GAP _____
MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

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ENGINE LOG

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER AVCO Lycoming MODEL O-360 A2D
SERIAL L 10901-36A TYPE CERTIFICATE _____
THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT # Cessna 172W Serial # 17269191
N 549 KN
MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____
MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____
SPARK PLUG GAP _____
MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

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ENGINE LOG