N734MK

The Standard

ENGINE LOG

ASA-SE-2

N734MK
Lycoming O-320-H2AD
Serial No. RL-6231-76T

West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

10/1/2011
Tach: 3487
TSOH: 1071

Engine Entry

Completed a **Annual Inspection** of the engine using the Cessna 172 100 hour MM checklist as a guide. Drained oil and serviced with 6 quarts Aeroshell 15W50. Complied with **AD80-04-03R2** by replacing oil filter p/n CH48103-1, cut open old filter and inspected, no excessive contaminates found, next due Tach 3537. Checked compressions: 1) 70/80 2) 72/80 3) 72/80 4) 72/80. Replaced 1 spark plug p/n RHM38E and reinstalled plugs with new gaskets p/n M674 and torqued. Inspected engine controls. Inspected intake and exhaust risers. Inspected fuel and oil lines. Performed engine run-up, leak, power and indication check, all parameters appear normal. This engine is airworthy.

Kevin R. Pinger A&P 3236526 IA

Reg. No. N734MK
Lycoming O-320-H2AD
Serial No. RL-6231-76T

West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

11/25/2011
Tach: 3536
TSOH: 1120

Engine Entry:

Completed the **50 Hour Inspection** of the engine using the Cessna 172 maintenance manual 50 hour checklist as a guide. Inspected engine controls, alternator and bracket, induction system, & muffler. Inspected induction air filter, okay. Complied with **AD 80-04-03R2** by servicing the engine with 6 quarts Aeroshell 15W50 and replacing oil filter p/n CH48103-1, cut open and inspected old filter, no excessive contaminates found, next due in 50 hours. Performed engine run up, magneto, leak, power, and indication check, okay.

Kevin R. Pinger A&P/IA 3236526

YEAR
20 ____
DATE

N734MK
Lycoming O-320-H2AD
Serial No. RL- 6231-76T

West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

1/28/2012
TACH: 3587
TTA: 3587
TSOH: 1171

Engine Entry

Completed a **100 Hour Inspection** of the engine using the Cessna 172 maintenance manual 100 hour checklist as a guide. Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50 and CH48103-1 filter, cut open the old filter, no excessive contaminates found, NID Tach 3637. Inspected the engine controls, muffler, intake and exhaust. Inspected the motor mount. Inspected the induction air filter and alternate air box. Performed an engine run up, leaks, indication and magneto check, good. This aircraft is returned to service.

Kevin R. Pinger A&P 3236526 IA

Reg. No. N734MK
Lycoming O-320-H2AD
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Tel. (650) 565-0063

3/7/2012
Tach: 3644
TSOH: 1228

Engine Entry:

Completed the **50 Hour Inspection** of the engine using the Cessna 172 maintenance manual 50 hour checklist as a guide. Inspected engine controls, alternator and bracket, induction system, & muffler. Inspected induction air filter, okay. Complied with **AD 80-04-03R2** by servicing the engine with 6 quarts Aeroshell 15W50 and replacing oil filter p/n CH48103-1, cut open and inspected old filter, no excessive contaminates found, next due in 50 hours. Performed engine run up, magneto, leak, power, and indication check, okay.

Kevin R. Pinger A&P/IA 3236526

YEAR
20 ____
DATE

N734MK
Lycoming O-320-H2AD
Serial No. RL- 6231-76T

West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

4/21/2012
TACH: 3687
TTA: 3687
TSOH: 1271

Engine Entry

Completed a **100 Hour Inspection** of the engine using the Cessna 172 MM 100 hour checklist as a guide. Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50 & CH48103-1 filter, cut open the old filter, no excessive contaminates found, NID Tach 3637. Removed the carburetor. Installed new throttle shaft bushings P/N 60-260 & new throttle shaft P/N CF13-1521 IAW the precision MM. Cleaned the carburetor screen. Inspected the engine controls. Replaced the muffler assembly with a spare serviceable unit. Removed the schroud & checked the muffler no cracks were found. Removed & cleaned the lower plugs. Installed & torqued the plugs with new M674 gaskets. Inspected the induction air filter and alternate air box. Performed an engine run up. Adjusted the idle faster.No leaks were found. Mag checks good. Carb heat drop is good. This Engine is returned to service.

Kevin R. Pinger A&P 3236526 IA

Reg. No. N734MK
Lycoming O-320-H2AD
Serial No. RL-6231-76T

West Valley Aircraft Services, LLC.
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Tel. (650) 565-0063

5/25/2012
Tach: 3740.8
TSOH: 1324.8

Engine Entry:

Completed the **50 Hour Inspection** of the engine using the Cessna 172 maintenance manual 50 hour checklist as a guide. Inspected engine controls, alternator and bracket, induction system, & muffler. Inspected induction air filter, okay. Complied with **AD 80-04-03R2** by servicing the engine with 6 quarts Aeroshell 15W50 and replacing oil filter p/n CH48103-1, cut open and inspected old filter, no excessive contaminates found, next due in 50 hours. Performed engine run up, magneto, leak, power, and indication check, okay. This engine is returned to service.

Kevin R. Pinger A&P/IA 3236526

YEAR
20 ____
DATE

N734MK
Lycoming O-320-H2AD
Serial No. RL- 6231-76T

West Valley Aircraft Services, LLC.
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Tel. (650) 565-0063

6/30/2012
TACH: 3787
TTA: 3787
TSOH: 1371

Engine Entry

Completed a **100 Hour Inspection** of the engine using the Cessna 172 maintenance manual 100 hour checklist as a guide. Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50 and CH48103-1 filter, cut open the old filter, no excessive contaminates found, NID Tach 3837. Inspected the engine controls, muffler, intake and exhaust pipes. Inspected the motor mount. Inspected the induction air filter and alternate air box. Replaced alternator brushes with new p/n ES4118. Performed an engine run up to check for leaks, indication and magneto check good. This engine is returned to service.

Kevin R. Pinger A&P 3236526 IA

Reg. No. N734MK
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West Valley Aircraft Services, LLC.
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Tel. (650) 565-0063

8/14/2012
Tach: 3839.3
TSOH: 1423.3

Engine Entry:

Completed the **50 Hour Inspection** of the engine using the Cessna 172 maintenance manual 50 hour checklist as a guide. Inspected engine controls, alternator and bracket, induction system, & muffler. Inspected induction air filter, okay. Complied with **AD 80-04-03R2** by servicing the engine with 6 quarts Aeroshell 15W50 and replacing oil filter p/n CH48103-1, cut open and inspected old filter, no excessive contaminates found, next due in 50 hours. Performed engine run up, magneto, leak, power, and indication check, okay.

Carrie L. Ferguson A&P/IA 2806332

YEAR
20 ____
DATE

N734MK
Lycoming O-320-H2AD
Serial No. RL- 6231-76T

West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

10/12/2012
TACH: 3887
TTA: 3887
TSOH: 1471

Engine Entry

Completed a **Annual Inspection** of the engine using the Cessna 172 maintenance manual 100 hour checklist as a guide. Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50 and CH48103-1 filter, cut open the old filter, no abnormal contaminates found, NID Tach 3937. Inspected the engine controls, muffler, intake and exhaust pipes. Inspected the motor mount. Inspected the induction air filter and alternate air box. Performed engine run up to check for leaks, indication and magneto check good. I certify this engine has been inspected in accordance with an Annual Inspection and found it to be in an airworthy condition. This engine is returned to service.

Kevin R. Pinger A&P 3236526 IA

Reg. No. N734MK
Lycoming O-320-H2AD
Serial No. RL-6231-76T

West Valley Aircraft Services, LLC.
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Tel. (650) 565-0063

10/22/2012
Tach: 3898
TSOH: 1482

Engine Entry:

Replaced top spark plugs with new p/n RHB32E (qty 4) and lower spark plugs with serviceable same with new gaskets p/n M674 and torqued. Performed run up, indication, magneto, and operational check, all parameters appear normal.

Kevin R. Pinger A&P/IA 3236526

YEAR
20 ____
DATE

Reg. No. N734MK
Lycoming O-320-H2AD
Serial No. RL-6231-76T

West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

1/4/2013
Tach: 3937
TSOH: 1521
TTA: 3937

Engine Entry:

Completed the **50 Hour Inspection** of the engine using the Cessna 172 maintenance manual 50 hour checklist as a guide. Inspected engine controls, alternator and bracket, induction system, and muffler. Inspected induction air filter, okay. Complied with **AD 80-04-03R2** by servicing the engine with 6 quarts Aeroshell 15W50 and replacing oil filter p/n CH48103-1, cut open and inspected old filter, no abnormal contaminates found, next due in 50 hours. Performed engine run up, magneto, leak, power, and indication check, okay.

Carrie L. Ferguson A&P/IA 2806332

N734MK
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Serial No. RL- 6231-76T

West Valley Aircraft Services, LLC.
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Tel. (650) 565-0063

11/15/2013
TACH: 3957.3
TTA: 3957.3
TSOH: 1541.3

Engine Entry

Completed a **Annual Inspection** of the engine using the Cessna 172 maintenance manual 100 hour checklist as a guide. Compressions: all 70+/80. Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50 and CH48103-1 filter, cut open the old filter, no abnormal contaminates found. NID Tach 4007. Inspected the engine controls, muffler, intake and exhaust pipes. Checked the magneto to engine timing. Inspected the alternator and starter. Inspected the motor mounts. Inspected the induction air filter and alternate air box. Performed engine run-up, power, indication, and leak check, all parameters normal. I certify this engine has been inspected in accordance with an **Annual Inspection** and found it to be in airworthy condition. This engine is returned to service.

Carrie L. Ferguson A&P/IA 2806332

YEAR 20____ DATE	RE TA TI			

N734MK
Lycoming O-320-H2AD
Serial No. RL - 6231-76T

West Valley Aircraft Services, Inc.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

5/23/2016
TACH: 3957.3
TTA: 3957.3
TSOH: 1541.3

Engine Entry

Completed a **Annual Inspection** of the engine using the Cessna 172 maintenance manual 100 hour checklist as a guide. Borescoped the cylinders, checked the cam lobes and checked lifters on #2 & #4. Removed #2 cylinder honed, fit and replacecd rings with new SL3601-SC, installed the cylinder with new gasket set. Compressions: all 70+/80. Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50 and CH48103-1 filter, cut open the old filter, no abnormal contaminates found, nexts inspection due in 50 Hours (*Tach 4007*), removed the sump screen and inspected, no contaminates, secured with new gasket. Replaced magneto with overhauled TCM D4LN-2021 p/n 10-382555-14 s/n 16111 Aero Accessories CRS#XB2R286L WO# 33238. Installed magneto with new gasket, set the magneto to engine timing, and torqued. Replaced the alternator with rebuilt. Inspected the engine controls, muffler, intake and exhaust pipes.

Performed engine run-up, power, indication, and leak check, all parameters normal. I certify this engine has been inspected in accordance with an **Annual Inspection** and found it to be in airworthy condition. This engine is returned to service.

Kevin R. Pinger A&P 3236526 IA

6-23-2016	TACH	3971.3		TROUBLESHOT ROUGH LEFT MAG DROP. TESTED PLUGS. CLEANED. REPAIRED #2 LOWER IGN. LEAD. POST RUN CHECK NORMAL. RETURNED TO SERVICE. IA 5397888 58

N734MK
Lycoming O320-H2AD
Serial No. RL-623176T

AERO WORKS dba
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

06/17/2017
Tach/TTA: 3981.2
TSO: 1541.3

Engine Entry:

Performed **Annual Inspection** of the engine using the Cessna 172 maintenance manual 100 hour checklist as a guide... Compressions: 1) 72/80 2) 73/80 3) 75/80 4) 76/80… Complied with **AD80-04-03R2** by draining the oil and servicing the engine with 6 quarts Aeroshell 15W50, Lycoming additive, and CH48103-1 oil filter, inspected the oil filter, no abnormal contaminates found, recurs every 50 Hours, (*next inspection due Tach 4031.2*)… Checked and set valve tappet clearances… Replaced the #1 & #3 intake gaskets and valve cover gaskets… Torqued all valve covers… Checked torque on all fluid lines and fittings… Checked the magneto to engine timing… Replaced all spark plugs with new p/n RHB323E… Performed engine run-up, power, indication and leak check, no leaks found… I test flew this aircraft, all parameters normal…

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

Kevin R. Pinger A&P 3236526 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.)

N734MK
Lycoming O-320-H2AD
Serial No. RL- 6231-76T

AERO WORKS dba
1901 Embarcadero Rd. Hangar One, Palo Alto, CA 94303
Tel. (650) 565-0063

6/2/2018
TACH: 4005.5
TTA: 4005.5
TSO: 1589.5

Engine Entry

Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50 and CH48103-1 filter, cut open the old filter, no abnormal contaminates found, recurs every 50 Hours *(next due Tach 4055.5)*. Inspected the engine controls, muffler, intake and exhaust headers. Checked the magneto to engine timing. Inspected the alternator and starter. Inspected the motor mounts. Inspected the induction air filter and alternate air box. Performed engine run-up, power, indication, and leak check, all parameters normal. I certify this engine has been inspected in accordance with an **Annual Inspection** and found it to be in airworthy condition. This engine is returned to service.

Kevin R. Pinger A&P 3236526 IA

N734MK
Lycoming O-320-H2AD
Serial No. RL- 6231-76T

AERO WORKS dba
1901 Embarcadero Rd. Executive Hangar One, Palo Alto, CA 94303
Tel. (650) 565-0063

5/25/2019
TACH: 4018.3
TTA: 4018.3
TSO: 1602.3

Engine Entry

Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50, recurs every 50 Hours *(next due Tach 4068.3)*. Inspected the engine controls, muffler, intake and exhaust headers. Checked the magneto to engine timing. Inspected the alternator and starter. Inspected the motor mounts. Inspected the induction air filter and alternate air box. Performed engine run-up, power, indication, and leak check, all parameters normal. I certify this engine has been inspected in accordance with an **Annual Inspection** and found it to be in airworthy condition. This engine is returned to service.

Kevin R. Pinger A&P 3236526 IA

7/3/2020

N734MK
Lycoming O-320-H2AD
Serial No. RL- 6231-76T

AERO WORKS dba
1901 Embarcadero Rd. Executive Hangar One, Palo Alto, CA 94303
Tel. (650) 565-0063

Tach: 4028
TTA: 4028
TSO: 1612

Engine Entry

Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50, recurs every 50 Hours. Inspected the engine controls, muffler, intake and exhaust headers. Checked the magneto to engine timing. Inspected the alternator and starter. Replaced the alternator belt. Inspected the motor mounts. Performed engine run-up, power, indication, and leak check, all parameters normal. I certify this engine has been inspected in accordance with an **Annual Inspection** and found it to be in airworthy condition. This engine is returned to service.

Kevin R. Pinger A&P 3236526 IA

N734MK
Lycoming O-320-H2AD
Serial No. RL- 6231-76T

AERO WORKS dba
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7/25/2021
Tach: 4031
TTA: 4031
TSO: 1615

Engine Entry

Complied with **AD80-04-03R2** by servicing the engine with 6 quarts of Aeroshell 15W50 & cutting open the filter : no metal found. Checked the engine controls, muffler, intake and exhaust headers. Inspected the alternator and starter. Cleaned the carburetor finger screen & flushed the carburetor bowl Inspected the motor mounts. Performed engine run-up, power, indication, and leak check, all OK. I certify this engine has been inspected in accordance with an **Annual Inspection** and found it to be in airworthy condition. This engine is returned to service.

Kevin R. Pinger A&P 3236526 IA

YEAR 2022 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.)
7/1/2022	4041.3		1628.3	——— Annual inspection ———
				Annual inspection completed I.A.W. CESSNA Maintenance Manual. Changed oil to 20W50 Shell 15/50 I.E.W. A.D. 80-04-03R2. Inspected & replaced oil filter. No Metal found. Added 1 pint of Camguard to Engine. Cleaned, gapped & Tested Spark plugs. Checked Magneto Timing to Engine. Okay. Cleaned fuel filter. Press. leak Checked Exhaust System. Okay. Replaced all intake & Rocker cover gaskets. Replaced Starter P/NO 149-BL. S/NO H-W0125 Checked compression (#1 72/80 #2 74/80 #3 72/80 #4 72/80).
				I, Certify that this Engine has been inspected I.A.W. Annual inspection & was found to be in airworthy condition. [signature] A&P 2273023 IA
7/4/2022	4078.9			Replaced Magneto ignition harness with new P/NO 10-821414-4 [signature] A&P 2273023

YEAR 20 23 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
1/17/23	4109.3		1696.3	— Changed oil. 6 Qts of Aeroshell 15/50 OIL I-C-W A.D. 80-04-03R2. Replaced & inspected oil filter. Okay. Replaced induction air filter. Leak checked. Okay. A&P 2273023

YEAR 20 DATE