

The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer Lycoming

Serial RL-1147-76

Model 0320 H2AD

Type Certificate _____

This engine is currently installed in aircraft Cessna 172N s/n 17268677 N733ZK

Minimum Octane Fuel _____

Oil Grade: Summer _____ Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____ hours

YEAR:	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.)
DATE				

6-10-14

0-320-H2AD

RL-1147-76

W/O 25123

Engine overhauled this date under work order 25123. Magnafluxed all steel parts, no defects observed. Zygloved all non-steel parts. no defects observed. Crankcases overhauled by E.C.I. Cylinders overhauled and re-barreled and I.F.R. freedom treated by E.C.I. New parts installed in engine, pistons, piston pins, rings, rocker arms, ex valves, valve springs, rod bolts and nuts, rod bearings, main bearings, camshaft, lifers, S.B 505B and 530A inspection for corrosion in crankshaft complied with. I certify that this engine has been overhauled in accordance with the applicable overhaul manuals. All A.D.s to this date have been complied with. All parts have been inspected and have determined this engine to be in an airworthy condition for return to service.

MD DW

P 568609150

N733ZK 12-19-2014 Tach: 7,812.4 SMOH 0.0

This engine has been inspected in accordance with an Annual inspection per FAR 43 Appendix "D"

Following A/D's checked and complied with as applicable:

A/D 80-04-03 oil additive

Complied with ad by additive next due at oil change.

Following work has been performed:

-Removed and replaced engine O-320-H2AD installed overhaul exchange unit S/N RL-1147-76. Installed overhauled magneto P/N 10-682555-14-D4RN-3000 S/N K050382 IAW M.M. Reused all other accessories. Removed and replaced engine shock mounts 4 total P/N 94011-20. Serviced engine with 7 quarts of 100 straight mineral oil and additive P/N LW. Installed oil filter P/N CH48103-1. Removed and replaced oil and fuel hoses P/N 124F001-3CR-0184, 111F417-8D-0150, 111F417-8D-0204, and 111F417-8D-0180. Replaced 2 spark plugs P/N REMH38E cylinder #1 and #3 bottom. Removed and replaced cylinder #3 exhaust riser P/N1754008.

I certify this engine has been inspected in accordance with annual inspection and was determined to be in airworthy conditions and is approved to return to service.

IA #2802232

Salil M

ETT = ? TSO = 0.0
No mention of engine total time! "overhaul exchange" engine was zero timed a one time during its previous history.

and Alterations
Certificate Number of Technician or Repair

O320-H2AD

REG. NO: N733zk

WORK ORDER: 2258

Rossi Aircraft, Inc.

Repair Station No. ZRSR378L

1903 Embarcadero Rd

Palo Alto, CA 94303

Phone: 650-493-3326

DATE: 4/17/2015

A/C TSN: 7839.5

ENG TT:

TSMOH: 27.1

TACH: 7839.5

Engine Entries

Drained oil and serviced with 6 qts. of Aeroshell 100 Mineral oil and installed new CH48103-1 oil filter. Inspected old filter, solvent washed engine, run and leak check good. Replaced one spark plug on #3 cylinder top with a new plug because of wear. Complied with AD80-04-03 oil additive PN: LW16702.... Removed oil filter adapter and installed new gasket PN: 06B23072 PER
AD2002-12-07

Maintenance Release

Maintenance Release

The aircraft and/or component(s) on N733zk was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 2258, Dated 4/17/2015.

Work Order: 2258

DATE: 4/17/2015

SIGNED:

Rossi Aircraft Inc.
Certified Repair Station No. ZRSR378L

Work Order: 2258

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ENGINE MODEL:

O320-H2AD

ENGINE S/N: RL-1147-76

REG. NO: N733zk

WORK ORDER: 2302

Rossi Aircraft, Inc.

Repair Station No. ZRSR378L

1903 Embarcadero Rd

Palo Alto, CA 94303

Phone: 650-493-3326

DATE: 05/29/15

A/C TSN: 7860.1

ENG TT: 21.1

TSMOH: 48.2

TACH: 7860.6

Engine Entries

Performed a 50 Hour Inspection on the engine; serviced with 6 Qts. of Aeroshell 100 Mineral oil, inspected and replaced oil filter; and sent oil sample out to be analyzed. Performed a solvent based wash on engine. Compression test: #1-74/80, #2-74/80, #3-70/80, #4-72/80; cleaned and gapped spark plugs; Performed visual inspection of the fuel exhaust and intake systems....

Removed broken vacuum pump and installed an overhauled PN: 215CC SN: 05FR14.... Cylinder #1 has a small exhaust leak at the flange and evidence is showing up on the Cylinder head. Secured nuts and inspected area. Monitor and inspect at next 25 hour oil change.

Maintenance Release

The aircraft and/or component(s) on N733zk was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 2302, Dated 5/29/2015.

DATE: 05-29-15

SIGNED:

Work Order: 2302

Rossi Aircraft Inc.
Certified Repair Station No. ZRSR378L

Printed by EBis 3 (datcomedia.com)



SUBURBAN AIR
CORPORATION

21599 Skywest Drive
Hayward, California 94541
(510) 780-0428

**ENGINE
ENTRY**

JOB: 3306 AIRCRAFT: N733ZK TACH: 7925.5

MODEL: Lycoming O-320-H2AD

DATE: 08-12-2015

Complied with AD80-04-03R2 by servicing with Aeroshell W100plus. Ad compliance next due at next oil change.-----
-----END-----

This engine is approved for return to service, for only the work performed.

William F. Courant, Jr A&P 3242371

William F. Courant, Jr



1903 Embarcadero Road, Palo Alto, CA 94303

650-494-6516 www.advantage-aviation.com

WO: 2905 Aircraft: N733ZK Tach: 7899.3 Date: 7-22-2015

Model: O320-H2AD S/N:

Engine Entry

Changed oil and filter serviced with 6 qts Aeroshell 15w50, checked lower spark plugs. CW AD 80-04-03R2 by changing oil and servicing with 15w50, AD next due 7949.3. -END

James Allen A&P 559294160

James Allen

1903 Embarcadero Road, Palo Alto, CA 94303



650-494-6516 www.advantage-aviation.com

WO: 3000 Aircraft: N733ZK Tach: 7957.5 Date: 9/11/2015

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed 50HR Inspection. C/W AD80-04-03R2 50 hour oil change interval. Drained oil. Took oil sample for analysis. Removed oil filter and examined old oil filter element, no defects noted at this time, then installed new filter, CH48103-1. Serviced engine with 6 quarts Aeroshell 15W50 oil. Cleaned, gapped and tested lower spark plugs. Ground ran engine, leak and ops check good, no defects noted at this time. -END

This Engine is approved for return to service only for the work performed and listed above.

James E Allen A&P 559294160

1903 Embarcadero Road, Palo Alto, CA 94303



650-494-6516 www.advantage-aviation.com

WO: 3107 Aircraft: N733ZK Tach: 8005.7 Date: 3 November 2015

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed 50HR Inspection. C/W AD80-04-03R2 50 hour oil change interval. Drained oil. Took oil sample for analysis. Removed oil filter and examined old oil filter element, no defects noted at this time, then installed new filter, CH48103-1. Serviced engine with 6 quarts Aeroshell 15W50 oil. Cleaned, gapped and tested lower spark plugs. Ground ran engine, leak and ops check good, no defects noted at this time. -END

This Engine is approved for return to service only for the work performed and stated above in this entry.

Charles Harris A&P 3517275

Charles L Harris

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 Rep Facility. (See back pages for other specific entries.)



SUBURBAN AIR
CORPORATION

21599 Skywest Drive
Hayward, California 94541
(510) 780-0428

**ENGINE
ENTRY**

JOB: 3417 AIRCRAFT: N733ZK TACH: 8033.4 TSOH: 221.0

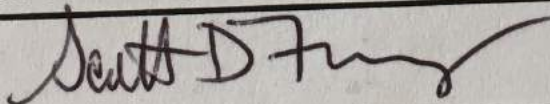
DATE: 1-7-2016

MODEL: O-320-H2AD S/N: RL-1147-76

Compression results: #1-78/80, #2-78/80, #3-78/80, #4-74/80. Drained oil. Removed and replaced oil filter with new (P/N: CH48103-2). Examined old oil filter element and suction screen and serviced engine with 6 quarts of Aeroshell 15W50 per AD80-04-03R2. Cleaned, gapped and tested spark plugs. Rotated and re-installed spark plugs using new gaskets (P/N: M674). Replaced #4 exhaust riser. Replaced induction air filter. Ground ran engine, leak and ops check good. Verified AD's current through AD 2015-02-07. All work completed referencing Cessna Parts/Service and Lycoming Operators Manuals. -----END-----

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (Annual Inspection) and has been determined to be in an airworthy condition.

Scott D Franges A&P 3393208 IA



YEAR

DATE



1903 Embarcadero Road, Palo-Alto, CA 94303

650-494-6516 www.advantage-aviation.com

WO: 3205 Aircraft: N733ZK Tach: 8036.3 Date: 14 January 2016

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Discrepancy Repair: Alternator inop. Troubleshoot problem down to bad alternator. Replaced alternator with new. Removed alternator: National Airparts, p/n F312R s/n F002467. Installed Alternator: Hartzell 12v60amp p/n DOFF10300JR s/n H-P060171 in "OH" condition. Engine run, alternator operational check – good. – END

This Engine is approved for return to service only for the work performed and stated above in this entry.

Charles Harvie A&P 3517275

Charles L Harvie

1903 Embarcadero Road, Palo-Alto, CA 94303

650-494-6516 www.advantage-aviation.com

WO: 3255 Aircraft: N733ZK Tach: 8049.3 Date: 17 February 2016

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Discrepancy Repair. Oil leak. Found oil leaking past crankshaft seal. Removed propeller to facilitate crankshaft seal removal. Removed old seal and inspected. Cleaned and inspected seal cavity. Inspected crankshaft. Found oil was leaking not at the seal ID, but at the seal OD. Installed new crankshaft seal, Parker seal p/n LW13792. Reinstalled prop, torqued prop bolts and safety wired. Ground ran engine, leak check good, no defects noted at this time. - END

This Engine is approved for return to service only for the work performed and stated above in this entry.

Charles Harvie A&P 3517275

Charles L Harvie



YEAR: _____
RECC
TACH
TIME
DATE

1903 Embarcadero Road, Palo Alto, CA 94303

650-494-6516 www.advantage-aviation.com

WO: 3347 Aircraft: N733ZK Tach: 8088.6 Date: 4-7-2016

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

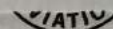
Completed 50HR service. C/W AD80-04-03R2 50 hour oil change interval. Drained oil. Took BOA oil sample for analysis. Removed oil filter and examined old oil filter element, no defects noted at this time, then installed new filter, CH48103-1. Serviced engine with 6 quarts Aeroshell 15W50 oil. Cleaned, gapped and tested spark plugs. Ground ran engine, leak and ops check good, no defects noted at this time. -END

This Engine is approved for return to service only for the work performed and listed above.

Chris Lund AMT/A&P 3127640

Chris Lund

1903 Embarcadero Road, Palo Alto, CA 94303



650-494-6516 www.advantage-aviation.com

WO: 3400 Aircraft: N733ZK Tach: 8131.3 TSO: 318.9 TTE: _____ Date: 24 May 2016

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed 100hr Inspection. Compression results: #1-72/80, #2-74/80, #3-72/80, #4-70/80. C/W AD80-04-03R2 50 hour oil change interval. Drained oil. Took oil sample for analysis. Removed and replaced oil filter with new, p/n: CH48103-1. Examined old oil filter element, no contamination found. Serviced engine with 6 quarts Aeroshell 15W50. Cleaned, gapped and tested spark plugs. Rotated and re-installed spark plugs using new gaskets, p/n: M-674. Ground ran engine, leak and ops check good, no defects noted at this time. Replaced air induction filter, p/n BA8108. The magneto 500 hr inspection is due @ 8312.4 hours. - END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 hr Inspection) and has been determined to be in an airworthy condition.

Charles Harvie A&P 3517275

Charles L Harvie

Tach
Replaced @
8131.3 hrs
See Airframe
Log same date
new tach = 0.0

RECOR
TACH
TIME



1903 Embarcadero Road, Palo Alto

CA 94303, 650-494-6516



WO: 3535 Aircraft: N733ZK Tach: 103.9 TSO: 422.8 Date: 19 July 2016
Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed engine oil and oil filter change. Drained oil. Took oil sample for analysis. Removed and replaced oil with new, p/n: CH48103-1. Examined old oil filter element, no defects noted. Serviced engine with 6 quarts Aero 15W50. CW AD80-04-03R2 Push Rods, 50 hour oil and filter change & inspection, by replacing oil filter and change, Next DUE @ 150.0 hrs. Ground ran engine, leak and ops check good. No defects noted at this time. -

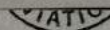
I certify that this engine is in airworthy condition only for the work performed and described in the main

Charles Harvie A/P 3517275

Charles L Harvie

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1903 Embarcadero Road, Palo Alto, CA 94303



650-494-6516 www.advantage-aviation.com

WO: 3550 Aircraft: N733ZK Tach: 111.2 TSO= 430.1 TTE= Date: 29 July 2016
Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed 100 hour Inspection. Compression Test: #1- 73/80, #2- 74/80, #3- 72/80, #4- 70/80. Drained oil. Removed oil filter and examined old oil filter element, no defects noted at this time, installed new filter, CH48103-1. Serviced engine with 6 quarts Aeroshell 15W50 oil. Inspected, cleaned, gapped, and tested all spark plugs. Rotated and re-installed spark plugs using new gaskets M674. Verified magneto to engine timing. No adjustment necessary. Replaced air induction foam filter, p/n BA-6108. Magneto 500 hour insp due at 181.1 hrs tach. Ground ran engine leak and ops check good, no defects noted at this time. -END

I certify that this Engine has been inspected in accordance with FAR 43 Appendix D (100 hr Inspection) and has been determined to be in an airworthy condition.

Donald Ganschow A&P 3830225

Donald Ganschow



CA 94303, 650-494-6516

Aircraft: N733ZK Tach: 165.0

Date: 7 September 2016

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed **50HR Inspection**. 50 hour oil change interval. Drained oil. Took oil sample for analysis. Removed oil filter and examined old oil filter element, no defects noted at this time, then installed new filter, CH48103-1. Serviced engine with 6 quarts Aeroshell 15W50 oil. Found all four lower spark plugs worn. Replaced with new Champion RHM38E spark plug. Ground ran engine, leak and ops check good, no defects noted at this time. All work and inspection completed in accordance with Advantage Aviation 50 hour inspection check list. - END

This *Engine* is approved for return to service only for the work performed and stated above in this entry.

Ulises Lopez, A&P 3839746

return to service only for the work perform

YEAR: _____ 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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Beechcraft

1903 Embarcadero Road,



Palo Alto CA 94303, 650-494-6516

Cessna
A Textron Company

WO: 3738 Aircraft: N733ZK Tach: 231.3 TSO: 550.2 TSN: _____ Date: 3 November 2016

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed Annual Inspection. Compression results. #1-75/80, #2-73/80, #3-72/80, #4-63/80(exh). C/W AD80-04-03R2 50 hour oil change interval Next due @ 281.3 hrs tach. Drained oil. Took oil sample for analysis. Removed and replaced oil filter with new, p/n: CH48103-1. Examined old oil filter element, no contamination found. Serviced engine with 6 quarts Aeroshell 15W50. Removed, inspected, cleaned, gapped, and tested spark plugs. Rotated and re-installed spark plugs using new gaskets, p/n: M-674. Replaced air induction filter, p/n BA6108. Ground ran engine, operational check good. No defects noted at this time. - END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (Annual Inspection) and has been determined to be in an airworthy condition.

James Allen A/P / IA 559294160

www.advantage-aviation.com

YE

DA

Beechcraft 1903 Embarcadero Road,



Palo Alto, Calif., 94303 650-494-6516



or Repa

WO: 3834 Aircraft: N733ZK Tach: 298.7 Date: 16 December 2016
Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed **50HR Inspection**. Drained oil. Took oil sample for analysis. Removed oil filter and examined old oil filter element, no defects noted at this time, then installed new filter, CH48103-1. Serviced engine with 6 quarts Aeroshell 15W50 oil. Cleaned, gapped and tested lower spark plugs. Ground ran engine, leak and ops check good, no defects noted at this time. ~~END~~ *complied w/ C/W AD80-04 - 03 R2 50 HR OIL CHANGE*

This **Engine** is approved for return to service only for the work performed and stated above in this entry. *AT 348*

Donald Ganschow A&P 3830225 *D. Ganschow*

<i>2/28/17</i>	<i>Tach</i>	<i>340.7</i>	<i>Inspected engine for oil leaks, cleaned nose section</i>
			<i>test new engine. Only minor leak noted @ case seam</i>
			<i>& Co. flight AV599294100</i>

YEAR:	RECORD
	TACH
DATE	TIME

Beechcraft

1903 Embarcadero Road,



Palo Alto, Calif., 94303 650-494-6516



WO: 3958 Aircraft: N733ZK Tach: 359.7 TSO: 678.6 TTE: _____ Date: 17 March 2017
 Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed **100 hour inspection**. Compression results: #1-71/80, #2-76/80, #3-73/80, #4-72/80. C/W AD80-04-03R2 50 hour oil change interval. Drained oil. Took oil sample for analysis. Removed and replaced oil filter with new, p/n: CH48103-1. Examined old oil filter element, no contamination found. Serviced engine with 6 quarts Aeroshell 15W50. Cleaned, gapped and tested spark plugs. Replaced two spark plugs, p/n RHM38E. Rotated and re-installed spark plugs using new gaskets, p/n: M-674. Ground ran engine, leak and ops check good, no defects noted at this time. Verified magneto timing. Ground ran engine, leak and ops check good. No defects noted at this time. - END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 hour inspection) and has been determined to be in an airworthy condition.

James Allen A/P 559294160

www.advantage-aviation.com



Beechcraft

1903 Embarcadero Road,

Palo Alto, Calif., 94303 650-494-6516

WO: 4271 Aircraft: N733ZK Tach: 419.9 TSO: 738.8 Date: 10 August 2017
 Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed engine oil and oil filter change. Drained oil. Removed and replaced oil filter with new, p/n: CH48103-1. Examined old oil filter element, no defects noted. Serviced engine with 6 qts Aeroshell 15W50. Removed lower spark plugs, inspected, cleaned, gapped, tested, rotated and reinstalled using new gaskets, p/n M674. C/W AD80-04-03R2 **Push Rods, 50 hour oil and filter change & insp**, by replacing oil filter and oil change, **Next DUE @ 519.9 hours**. Ground ran engine, leak and ops check good. No defects noted. - END

I certify this engine is approved for return to service only for the work performed and stated in this maint entry.

Charles Harvie A/P 3517275

Charles L Harvie

www.advantage-aviation.com

RECORDING | TODAY'S | TOTAL

TACH
TIME

Beechcraft

1903 Embarcadero Road,



Palo-Alto CA 94303, 650-494-6516



WO: 4510 Aircraft: N733ZK Tach: 453.6 TSO: 772.6 TSN: (unknown / TBD) Date: 22 December 201
Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed Annual Inspection. Compression results: #1-75/80, #2-79/80, #3-78/80, #4-75/80. C/W AD80-04-03R2 50 hour oil change interval, next due @ 503.6 hrs tach. Drained oil. Took oil sample for analysis. Removed and replaced oil filter with new, p/n: CH48103-1. Examined old oil filter element, no contamination found. Serviced engine with 6 quarts Aeroshell 15W50. Removed, inspected, cleaned, gapped, and tested spark plugs. Rotated and re-installed spark plugs using new gaskets, p/n: M-674. Removed magneto and sent to Savage, Hayward, Calif. for 500 hour inspection. Reinstalled overhauled magneto with two new cushions, p/n 68H22624. Replaced air induction filter, p/n BA6108. Ground ran engine, operational check good. No defects noted at this time. - END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (Annual Inspection) and has been determined to be in an airworthy condition.

James Allen A/P / IA 559294180

www.advantage-aviation.com

YEAR: _____ 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 Facility. (See back pages for other specific entries.)
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Beechcraft

1903 Embarcadero Road,



Palo Alto, Calif., 94303 650-494-6516



WO: 4802 Aircraft: N733ZK Tach: 507.2 TSO: 826.2 Date: 5-17-2018

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed 50 HR Inspection. C/W AD80-04-03R2 50 hour oil change interval. Took oil sample for analysis. Removed and replaced oil filter, p/n CH48108-03. Examined old oil filter element, no contamination found. Serviced engine with 6 quarts Aeroshell 15W50. Removed bottom spark plugs, inspected, cleaned, checked gap, and tested spark plugs. ran engine, leak and ops check ok, no defects or leaks noted at this time. - END

I certify this aircraft is approved for return to service only for the maintenance items stated in this entry.

Jorge Robles A/P / IA 3877536

www.advantage-aviation.com

Beechcraft

1903 Embarcadero Road,



Palo Alto CA 94303, 650-494-6516

W/O: 5039 / 5044

Aircraft: N733ZK

Tach: 570.2

TSO: 889.1

TSN: (unknown at this time) Date: 2 Nov 20

Model: Lycoming O-320-H2AD S/N: RL-1147-76

Engine Entry

Completed **Annual insp.** Performed eng cylinder compression test, results: #1-79/80, #2-78/80, #3-77/80, #4-78/80. There were only 12.2 hours on the oil filter so did not replace the oil filter. Removed, inspected, cleaned, gapped, and tested spark plugs. Rotated and re-installed spark plugs using new gaskets, p/n M674. Verified magneto to engine timing. Note: **Magneto 500 hour inspection is due @ 953.5 hrs.** Replaced air induction filter, p/n BA6108. Ground ran engine, operational check good. No defects noted at this time.

Note: **AD80-04-03R2-Push Rods** - 50 hour oil change interval, is due @ 608.1 hrs tach. - END

I certify that this *engine* has been inspected in accordance with FAR 43 Appendix D (Annual inspection) and has been determined to be in an airworthy condition.

James Allen A/P / IA 559294160

www.advantage-aviation.com

DA7

1903 Embarcadero Road,
W.C. 50



Certificate Number of Tech

WO: 5240 Aircraft: N733ZK Tach: 613.90 TSO: 822.0 Palo Alto, Calif., 94303 650-494-6511

Model: **Lycoming O-320-H2AD** S/N: **RL-1147-76**

Engine Entry

Completed **50 HR Inspection**. CW AD80-04-03R2 50 hour oil change interval. Took oil sample for analysis. Removed and replaced oil filter, p/n CH48108-03. Examined old oil filter element, no contamination found. Serviced engine with 6 quarts Aeroshell 15W50. Removed bottom spark plugs, inspected, cleaned, checked gap, and tested spark plugs. ran engine, leak and ops check ok, no defects or leaks noted at this time. - END

I certify this aircraft is approved for return to service only for the maintenance items stated in this entry.

www.advantage-aviation.com

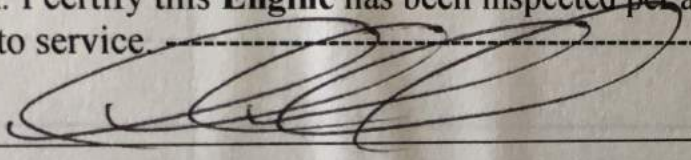
[illegible]

N733ZK
O-320-H2AD
s/n RL-1147-76

Engine Logbook Entry

7/24/2019
Tach: 670.6
SMOH: 989.5

Completed **ANNUAL** Inspection and service referencing *Cessna 172 Series Maintenance Manual & FAR 43, Appendix D*. A.D.'s checked thru **Issue 2019-13**. C/W **AD 80-04-03 r2 Push Rods** by inspection & **LW16702** additive, ok, *next due 50hrs (720 Tach)*. Compression as follows; **1-77, 2-76, 3-75, 4-76/80 psi**. Changed oil & filter. Serviced with **AA48110-2** filter, **Phillips 20w50** oil & 1ea **LW16702** additive. Installed all new **URHM38E** spark plugs. Installed all new valve cover gaskets p/n **RG75906**. Installed overhauled carb p/n **10-5217 s/n MS07WY12**. Checked magneto timing, ok. Run-up, leak and opps checked ok. I certify this **Engine** has been inspected per an **ANNUAL** and determined to be in an **AIRWORTHY** condition. Returned to service. -----end-----


Chris Camph 3568328 IA 7/24/2019

MAINTENANCE RELEASE

MANUFACTURER

LYCOMING

CYL. ASSY

MODEL No.

0-320

PART No.

W15318 Q

NAME

SERIAL No.

NA

THE COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.

"PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER No. JJ 77712"

SIGNED

[Signature]

DATE

FEB 13 2020

FOR: J & J AIR PARTS, INC. REPAIR STATION No. JE2R921K



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 2672 AIRCRAFT: N733ZK TACH: 705.3 TSOH: 1024.2 TTE: Unknown

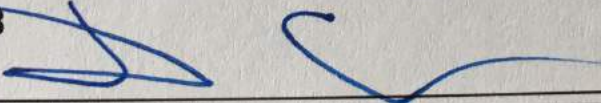
MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 03/02/2020

Replaced the #4 cylinder with overhauled assembly (P/N: LW15318) from J & J Air Parts (CRS# JE2R921K, WO# 77712) using the following new parts: cylinder base nuts (4EA P/N: 383B, STD2090), piston pin (P/N: SL13444-1), intake hose (P/N: SL18101), exhaust pushrod (P/N: LW-15315), exhaust rocker arm and seat (1EA P/N: LW-15014, LW15407), and the cylinder #2 and 4 oil return line hoses (2EA P/N: LW15358) and included gasket set. Set cylinder #4 dry tappet clearances to within limits using new washers (4EA P/N: LW-15709). Drained oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element, no contaminants found. Serviced engine with 6 quarts of Phillips 20W50 Type M oil and Lycoming LW-16702 additive in accordance with Lycoming SI 1014M. **C/W AD 80-04-03 R2 "bent push rods by inspection of the oil filter and use of Lycoming LW-16702 additive, next due Tach: 738.4 or oil filter removal, whichever comes first."** Cleaned, gapped and tested spark plugs. Replaced one spark plug with new (P/N: URHM38E). Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Ground ran engine in accordance with Lycoming SI 1427C, leak and ops check good. All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Jesse Case A&P 3772878



ABSOLUTE AERO



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 2763 AIRCRAFT: N733ZK TACH: 729.9 TSOH: 1048.8 TTE: Unknown

DATE: 05/26/2020

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

Performed borescope examination of the #4 cylinder to verify break-in, no defects noted. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil. **C/W AD 80-04-03 R2 "bent push rods" by inspection of the oil filter and use of compliant oil that incorporates Lycoming LW-16702 additive, next due Tach: 779.9 or oil filter removal, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Brandon Thompson A&P 3212565

YEAR:

DATE

**ABSOLUTE AERO**

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 2843 AIRCRAFT: N733ZK TACH: 769.4 TSOH: 1088.3 TTE: Unknown

DATE: 08/25/2020

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

Removed magneto for 500-hour inspection by Aircraft Electrical Components (CRS# S7HR883J, WO# 85979). Reinstalled repaired magneto (P/N: 10-682555-14, S/N: 2112244) with new gasket (P/N: LW-12681), timed to engine, and torqued base nuts IAW Lycoming SI 1508C. Inspected capacitors IAW Continental CSB 662A and SB651. Replaced the crankshaft nose seal with new (P/N: LW-13792). Compression results: #1: 77/80, #2: 70/80, #3: 74/80, #4: 75/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Ground ran engine, leak and ops check good. No defects noted at this time. **C/W AD 80-04-03 R2 "bent push rods by inspection of the oil filter and use of compliant oil, next due Tach: 869.4 or oil filter removal, whichever comes first."** Verified AD's current through FAA AD biweekly 2020-17. All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P / IA 3212565



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 2962 AIRCRAFT: N733ZK TACH: 820.2 TSOH: 1139.1 TTE: Unknown

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 10/20/2020

Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Ground ran engine, leak and ops check good. **C/W AD 80-04-03 R2 "bent push rods" by inspection of the oil filter and use of compliant oil, next due Tach: 870.2 or oil filter removal, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

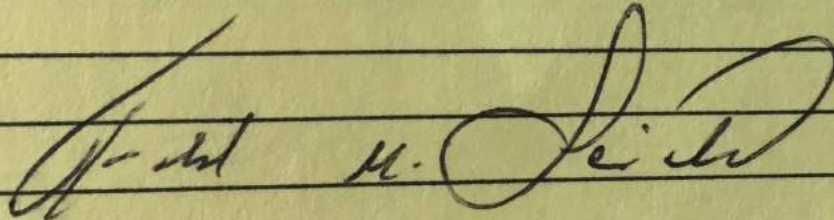
This engine is approved for return to service, for only the work performed.

Jesse Case A&P 3772878

J & J AIR PARTS, INC.
430 NORTH BRYANT, PLEASANTON, TX 78064
(830) 569-3892

WORK PERFORMED: ☒ Dye Penetrant Cylinder ☒ Weld Penetrated Cracks
Install Valve Guides ☒ Both ☐ Intake ☐ Exhaust ☐ Hone Barrel to Ring Finish
Install Valve Seats ☒ Both ☐ Intake ☐ Exhaust ☒ Machine Eroded Exhaust Port Flange
NuChrome ☐ Nickel ☒ Channel Chrome ☐ ☒ Seat Seats and Blue to New Valves
Grind Barrel ☐ P.010 ☐ P.015 ☐ P.020 ☒ Restud Exhaust Port
Paint ☐ Barrel ☒ Barrel and Head ☐ Install Fin Stabilizers
Assemble Cylinders ☒ Valve Assy. ☒ Pistons ☐ Install New Rocker Boss Bushings

SIGNED



DATE

NOV 23 2020

FOR: J & J AIR PARTS, INC. REPAIR STATION No. JE2R921K

Brandon Thompson A&P 3212565

SERVICEABLE



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3066 AIRCRAFT: N733ZK TACH: 872.5 TSOH: 1191.4 TTE: Unknown

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 02/05/2021

Replaced cylinders #1, 2 & 3 with overhauled nickel loaded assemblies (P/N: LW15318) from J & J Air Parts (CRS# JE2R921K, WO# 79471, 79473 & 79971) using included gasket set and the following new parts: cylinder base nuts (12EA P/N: 383B & STD2090), piston pins (3EA P/N: SL13444-1), oil return line hoses (3EA P/N: LW15358). Replaced #4 intake gasket (P/N: 71973) and all exhaust gaskets (4EA P/N: 77611) with new. Compression results: #1: 75/80, #2: 74/80, #3: 74/80, #4: 75/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Phillips 20W50 Type M oil and Lycoming LW-16702 additive in accordance with Lycoming SI 1014M. Cleaned, gapped and tested spark plugs. Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Ground ran engine, leak and ops check good. No defects noted at this time. **C/W AD 80-04-03 R2 "bent push rods by inspection of the oil filter and use of Lycoming LW-16702 additive, no defects noted at this time. Next due Tach: 972.5 or oil filter removal, whichever comes first."** Verified AD's current through FAA AD biweekly 2021-03. All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P 3212565



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3106 AIRCRAFT: N733ZK TACH: 882.7 TSOH: 1201.6 TTE: Unknown

DATE: 02/23/2021

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 9 quarts of Phillips 20W50 Type M oil and 6 ounces of Lycoming LW-16702 additive. Ground ran engine, leak and ops check good. No defects noted at this time. **C/W AD 80-04-03 R2 "bent push rods" by inspection of the oil filter and suction screen and use of Lycoming LW-16702 additive, no defects noted at this time. Next due Tach: 982.7 or oil change, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Jesse Case A&P 3772878



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3143 AIRCRAFT: N733ZK TACH: 897.5 TSOH: 1216.4 TTE: Unknown

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 03/25/2021

Borescoped cylinders to verify cylinder break-in, no defects noted. Reinstalled spark plugs with new gaskets (4EA P/N: M674). Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Ground ran engine, leak and ops check good. **CW AD 80-04-03 R2 "bent push rods" by inspection of the oil filter and suction screen and use of compliant engine oil, no defects noted at this time. Next due Tach: 997.5 or oil change, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Hernan Galvan A&P 3162366

YEAR

DATE

**ABSOLUTE AERO**

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3207 AIRCRAFT: N733ZK TACH: 921.3 TSOH: 1240.2 TTE: Unknown

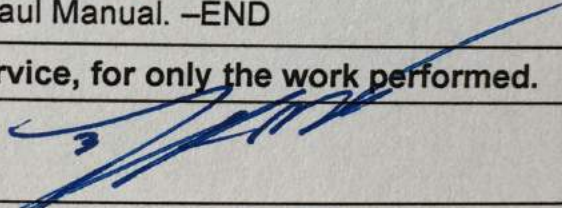
MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 05/13/2021

Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Replaced one spark plugs with new (P/N: URHM38E). Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Ground ran engine, leak and ops check good. **C/W AD 80-04-03 R2 "bent push rods" by inspection of the oil filter and suction screen, and use of compliant oil. Next due Tach: 1021.3 or oil filter removal, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Salvador Jimenez A&P 4273987



YEAR:

DATE

**ABSOLUTE AERO**

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3269 AIRCRAFT: N733ZK TACH: 969.7 TSOH: 1288.6 TTE: Unknown

DATE: 06/30/2021

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

Replaced cylinder #4 oil return line hose (P/N: LW-15358) and cylinder #3 exhaust pushrod seals (P/N: 70310 & LW-R0.750-275) with new. Compression results: #1: 74/80, #2: 75/80, #3: 76/80, #4: 73/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil. Cleaned, gapped and tested spark plugs. Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Retimed dual magneto to engine and retorqued base nuts in accordance with Lycoming SI 1508C. Solvent washed engine. Ground ran engine, leak and ops check good. No defects noted at this time. **C/W AD 80-04-03 R2 "bent push rods by inspection of the oil filter and suction screen and use compliant engine oil, no defects noted at this time. Next due Tach: 1069.7 or oil filter removal, whichever comes first."** Verified AD's current through FAA AD biweekly 2021-13. All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Jesse Case A&P / IA 3772878

DATE _____



MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 • 510 782-6591

ENGINE ENTRY

DATE: 07/21/2021

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

Inspected and found #2 exhaust valve stuck. Cleaned and reamed #2 exhaust valve guide in accordance with Lycoming SI 1425A. Ground ran engine, leak and ops check good. All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Jesse Case A&P 3772878

[illegible]



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3367 AIRCRAFT: N733ZK TACH: 1018.9 TSOH: 1337.8 TTE: Unknown

DATE: 08/25/202

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Replaced two spark plugs with new (P/N: URHM38E). Rotated and reinstalled with new gaskets (P/N: M674). Washed engine. Ground ran engine, leak and ops check good. **C/W AD 80-04-03 R2 "bent push rods" by inspection of the oil filter and suction screen, and use of compliant oil. Next due AD b.1. Tach: 1068.9 or oil filter removal, whichever comes first. Next due AD b.2. Tach 1118.9 or oil filter removal, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Matthew Wyder A&P 4505456

YEAR:

DATE



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3421 AIRCRAFT: N733ZK TACH: 1069.9 TSOH: 1388.8 TTE: Unknown

DATE: 10/14/2021

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

Compression results: #1: 72/80, #2: 76/80, #3: 74/80, #4: 68/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Replaced five spark plugs with new (5EA P/N: URHM38E). Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Verified magneto to engine timing. Solvent washed engine. Ground ran engine, leak and ops check good. No defects noted at this time. **C/W AD 80-04-03 R2 "bent push rods" by inspection of the oil filter and suction screen, and use of compliant oil. Next due AD b.1. Tach: 1119.9 or oil filter removal, whichever comes first. Next due AD b.2. Tach 1169.9 or oil filter removal, whichever comes first.** Verified AD's current through FAA AD biweekly 2021-21. All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Salvador Jimenez A&P 4273987



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: **3465** AIRCRAFT: **N733ZK** TACH: **1126.0** TSOH: **1444.9** TTE: **Unknown**

DATE: **11/17/2021**

MODEL: **Lycoming O-320-H2AD** S/N: **RL-1147-76**

Completed 50 hour inspection and servicing referencing Absolute Aero 50 hour checklist. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Replaced one spark plug with new (P/N: URHM38E). Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Ground ran engine, leak and ops check good. **C/W AD 80-04-03 R2 "bent push rods" by AD b.2. inspection of the oil filter and suction screen, and AD b.1. use of compliant oil. Next due AD b.1. Tach: 1176.0. Next due AD b.2. Tach 1226.0 or oil filter removal, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Salvador Jimenez A&P 4273987



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3512 AIRCRAFT: N733ZK TACH: 1168.1 TSOH: 1487.0 TTE: Unknown

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 12/30/202

Replaced cylinder #2 oil return hose with new (P/N: LW-15358). Compression results: #1: 72/80, #2: 76/80, #3: 76/80, #4: 72/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Verified magneto to engine timing. Ground ran engine, leak and ops check good. No defects noted at this time. **C/W AD 80-04-03 R2 "bent push rods" by inspection of the oil filter and suction screen, and use of compliant oil. Next due AD b.1. Tach: 1218.1 or oil filter removal, whichever comes first. Next due AD b.2. Tach 1268.1 or oil filter removal, whichever comes first.** Verified AD's current through FAA AD biweekly 2021-26. All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Salvador Jimenez A&P 4273987

DATE



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3566 AIRCRAFT: N733ZK TACH: 1221.5 TSOH: 1540.4 TTE: Unknown

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 02/10/2022

Completed 50 hour inspection and servicing referencing Absolute Aero 50 hour checklist. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Replaced one spark plug with new (P/N: URHM38E). Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Ground ran engine, leak and ops check good. **C/W AD 80-04-03 R2 "bent push rods" by AD b.2. inspection of the oil filter and suction screen, and AD b.1. use of compliant oil. Next due AD b.1. Tach: 1271.5. Next due AD b.2. Tach 1321.5 or oil filter removal, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Salvador Jimenez A&P 4273987

YEAR:

DATE



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3601 AIRCRAFT: N733ZK TACH: 1265.1 TSOH: 1584.0 TTE: Unknown

MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 04/07/2022

Removed magneto for 500-hour inspection by Kelly Aero (CRS# 9KJR356C, WO# 1932698). Reinstalled repaired magneto (P/N: 10-682555-14, S/N: K-03742) using new gasket (P/N: LW-12681). Timed magneto to engine and torqued base nuts in accordance with Lycoming SI 1508C. Resealed the vacuum pump drive using new o-ring (P/N: LW-15070), gasket (P/N: 8313) and garloc seal (P/N: 06A19956). Replaced all exhaust gaskets with new (4EA P/N: 77611). Compression results: #1: 69/80, #2: 66/80, #3: 67/80, #4: 63/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 Plus oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Replaced one spark plug with new (P/N: URHM38E). Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Solvent washed engine. Ground ran engine, leak and ops check good. No defects noted at this time. **AD 2005-12-06 "impulse coupling" complied with by Kelly Aero during magneto repair. Next due Tach: 1765.1. C/W AD 80-04-03 R2 "bent push rods by inspection of the oil filter and suction screen and use compliant engine oil, no defects noted at this time. Next due Tach: 1069.7 or oil filter removal, whichever comes first.** Verified AD's current through FAA AD biweekly 2022-07. All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P / IA 3212565

YE.

DA



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3700 AIRCRAFT: N733ZK TACH: 1323.5 TSOH: 1642.4 TTE: Unknown
MODEL: Lycoming O-320-H2AD S/N: RL-1147-76

DATE: 06/09/2022

Completed 50 hour inspection and servicing referencing Absolute Aero 50 hour checklist. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48103-2). Examined old oil filter element and suction screen, no contaminants found. Serviced engine with 6 quarts of Phillips Victory AW 20W50 oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Rotated and reinstalled spark plugs with new gaskets (P/N: M674). Ground ran engine, leak and ops check good. **C/W AD 80-04-03 R2 "bent push rods" by AD b.2. inspection of the oil filter and suction screen, and AD b.1. use of compliant oil. Next due AD b.1. Tach: 1373.5. Next due AD b.2. Tach 1423.5 or oil filter removal, whichever comes first.** All work completed in accordance with the Cessna 172 Service Manual and the Lycoming 76 Series Overhaul Manual. -END

This engine is approved for return to service, for only the work performed.

Salvador Jimenez A&P 4273987
