

ENGINE MAINTENANCE RECORDS



Engines Are Our **ONLY** Business

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ENGINE MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. N1454U

Engine Manufacturer _____

Model _____

Serial No. _____

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ RIGHT

☐ LEFT

☐ FRONT

☐ REAR



WESTERN
Skyways
INC.

ENGINE WARRANTY TRANSFER REQUEST

Current Owners Name: _____

Phone: _____

Address: _____

New Owner's Name: _____

Phone: _____

Address: _____

Date Installed: _____

Engine Model _____

Aircraft Model/year _____

Engine Serial: _____

Numbers of Hours Since Installed: _____

Date of Transfer: _____

Signature of
Current Owner: _____



DATE

TACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
WESTERN
Skyways
 INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place
Montrose, CO 81401
www.westernskyways.com(800) 575-9929
(970) 249-0232
FAX: (970) 249-4155Engine Make: LYCOMINGModel: O-320-E2DSerial Number: RL-29133-27AW/O No: 24387 Date: 02/26/09Warranty Number: B9050Warranty Start Date: 03/09Crankshaft Serial No: V53797198Cylinder Part Number: FRCN4.1CA

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: 60294-7-12 See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 4131.4 Hrs.

This engine meets requirements of LYCOMING SI-1009AT for 2000.0 Hour TBO.

The accessories listed below were new or overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag:	4371 NEW	08122644	Vac Pump:	N/A	N/A
R/H Mag:	4370 NEW	08081920	Wastegate:	N/A	N/A
Fuel Pump:	AF-15473	F004674	Alt/Gen:	N/A	N/A
Inj/Carb:	10-5217	BL-20-10630	Pop Off:	N/A	N/A
Man Valve:	N/A	N/A	Controller:	N/A	N/A
Starter:	146-NL	FN0509103	VAPC:	N/A	N/A
Turbo:	N/A	N/A	Controller:	N/A	N/A
			Tach Gen:	N/A	N/A
			Ring Gear:	N/A	N/A

MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature: _____

Repair Station No. WS9R575J

Form 200

DATE

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 1013.6
TTE: 4131.4
TSMOH: 0.0

C/W 100 HR inspection IAW Cessna 172N Maintenance Manual & Single Engine Inspection Guide. Removed Engine P/N O-320-E2D S/N L-44844-27A. Installed Engine P/N O-320-E2D S/N RL-29133-27A 160 HP conversion on Aircraft IAW STC SA00261SE. Added 8 quarts Aeroshell 80 mineral oil. All engine accessories were overhauled by Western Skyways. See yellow tags attached to engine log book. Replaced EGT sender unit P/N 712-20DWKE Sender. Performed engine break in IAW Western Skyways break-in instructions. Repaired broken P lead. Completed new AD compliance log, all AD's are current, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: April 1, 2009

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 1028.6
TTE: 4146.4
TSMOH: 15.0

Changed oil and Filter, Added 8 quarts Aeroshell 100 Mineral and CH48110-1 filter. Leak checked engine, none found. Ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: April 15, 2009

Model: Cessna C172M
S/N: 17267121
Reg# N1454U

Tach: 1094.1
TTA: 6850.1

Changed oil and filter with Aeroshell 15W-50. Filter P/N CH48110-1. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: July 23, 2009

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Invoice: 725
Tach: 1137.1
TTA: 6893.1

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Retightened dip stick tube and re-safety wired. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: August 31, 2009

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 33.6
TTA: 6926.7

Removed and cleaned spark plugs, checked mag. timing. Performed compression check, 1)78/80, 2)77/80, 3)77/80, 4)76.80. ops check on engine run good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: October 24, 2009

Model: Cessna C172M S/N: 17267121 Reg# N1454U Eng S/N: RL-29133-27A	Tach: 52.0 TTA: 6945.1	Page No. _____ ORK
Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.		
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.		
Inspector: <u>Scott Wilson</u> Scott Wilson A&P3142227		
Date: November 26, 2009		

Model: Cessna C172M S/N: 17267121 Reg# N1454U Eng S/N: RL-29133-27A	Tach: 101.6 TTA: 6994.7 TTE: 4356.5 SMOH: 225.1	
Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found. <i>Cleaned & bapped spark plugs. gw</i>		
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.		
Inspector: <u>Scott Wilson</u> Scott Wilson A&P3142227		
Date: March 20, 2010		

Model: Cessna C172MN S/N: 17267121 Reg# N1454U Eng M/N: O-320-E2D Eng S/N: RL-29133-27A	Tach: 110.7 TTE: 4365.6 TSMOH: 234.2	
C/W 100 HR inspection IAW Cessna 172N Maintenance Manual & Single Engine Inspection Guide. Performed differential compression test, as follows: 1 78/80 2 75/80 3 74/80 4 78/80. All AD's are current, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.		
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.		
Inspector: <u>Scott Wilson</u> Scott Wilson A&P3142227		
Date: May 7, 2010		

Model: Cessna C172M S/N: 17267121 Reg# N1454U Eng S/N: RL-29133-27A	Tach: 148.9 TTA: 7042 TTE: 4403.8 SMOH: 272.4	
Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.		
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.		
Inspector: <u>Scott Wilson</u> Scott Wilson A&P3142227		
Date: July 3, 2010		

Model: Cessna C172M S/N: 17267121 Reg# N1454U Eng S/N: RL-29133-27A	Tach: 200.2 TTA: 7093.3 TTE: 4455.1 SMOH: 323.7	
Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.		
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.		
Inspector: <u>Scott Wilson</u> Scott Wilson A&P3142227		
Date: November 1, 2010		

DAT

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 251.5
TTA: 7144.6
TTE: 4506.4
SMOH: 375

Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found. Cleaned and Gapped Spark Plugs. Tightened rocker covers.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Scott Wilson A&P3142227

Date: January 15, 2011

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 303.4
TTA: 7196.5
TTE: 4558.3
SMOH: 426.9

Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found. Cleaned and Gapped Spark Plugs. Tightened rocker covers.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Scott Wilson A&P3142227

Date: May 5, 2011

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 317.5
TTE: 4572.4
TSMOH: 441.0

C/W 100 HR inspection IAW Cessna 172N Maintenance Manual & Single Engine Inspection Guide. Performed differential compression test, as follows: 1 77/80 2 75/80 3 76/80 4 76/80. Repaired broken ground wire right magneto. All AD's are current, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Scott Wilson A&P3142227

Date: May 22, 2011

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 356.0
TTA: 7249.1
TTE: 4610.9
SMOH: 479.5

Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Scott Wilson A&P3142227

Date: June 17, 2011

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 407.6
TTA: 7300.7
TTE: 4662.5
SMOH: 531.1

Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found. C/W 500 hour magneto inspection IAW Slick Service Manual.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Scott Wilson A&P3142227

Date: July 27, 2011

DAT

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 461.0
TTA: 7354.1
TTE: 4715.9
SMOH: 584.5

Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: August 31, 2011

Inspector: 

Scott Wilson A&P3142227

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 503.6
TTA: 7396.7
TTE: 4758.5
SMOH: 627.1

Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: November 4, 2011

Inspector: 

Scott Wilson A&P3142227

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 554.7
TTA: 7447.8
TTE: 4809.6
SMOH: 678.2

Changed oil and filter with Aeroshell 100W, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found. Cleaned and Gapped spark plugs.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: January 21, 2012

Inspector: 

Scott Wilson A&P3142227

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: ~~554.7~~ 576.8
TTA: 7489.1
TTE: 4850.9
SMOH: 719.5

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: March 7, 2012

Inspector: 

Scott Wilson A&P3142227

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 651.8
TTE: 4906.7
TSMOH: 775.3

C/W 100 HR inspection IAW Cessna 172N Maintenance Manual & Single Engine Guide. Removed all cylinders to be inspected and reworked. #2 cylinder was sent to Precision Power. Bob replaced exhaust valve P/N 17B23935 and rings 74673 and 73998. Cylinders 1,3 and 4 were sent to western skyways for inspection and rework. Installed cylinders with new rings. Changed oil and filter. Added 8 quarts Aero shell 100 for cylinder break-in. All AD's are current, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: July 1, 2012

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 667.4
TTA: 7560.5
TTE: 4922.3
SMOH: 790.9

Changed oil and filter with Aeroshell 100 mineral, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: July 13, 2012

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 696.5
TTA: 7589.6
TTE: 4951.4
SMOH: 820.0

Changed oil and filter with Aeroshell 100 mineral, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Replaced Vacuum pump housing and gear, P/N 61098 and 72970. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: August 1, 2012

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 747.8
TTA: 7640.9
TTE: 5002.7
SMOH: 871.3

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: Sept 13, 2012

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 799.3
TTA: 7692.4
TTE: 5052.4
SMOH: 922.8

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: Oct 15, 2012

DATE

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 850.1
TTA: 7743.2
TTE: 5105.0
SMOH: 973.6

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found. Install new Power flow exhaust Muffler.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Scott Wilson A&P3142227

Date: Dec 26, 2012

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 858.4
TTA: 7751.5
TTE: 5113.3
SMOH: 981.9

Repaired left magneto. Replaced coil with serviceable. Replace contact assembly M3081. Set internal timing, installed magneto to engine and timed to engine. Ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Scott Wilson A&P3142227

Date: Jan 3, 2013

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 907.3
TTA: 7800.4
TTE: 5162.2
SMOH: 1030.8

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. ~~Cut and inspected filter. No metal found. Inspected and cleaned engine.~~ Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Patrick Wiggins

Date: February 24, 2013

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 960.7
TTA: 7853.8
TTE: 5215.6
SMOH: 1084.2

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. ~~Cut and inspected filter. No metal found. Inspected and cleaned engine.~~ Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Patrick Wiggins

Date: April 30, 2013

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1000.6
TTA: 7893.7
TTE: 5255.5
SMOH: 1124.1

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. ~~Cut and inspected filter. No metal found. Inspected and cleaned engine.~~ Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Patrick Wiggins

Date: June 18, 2013

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 1022.7
TTE: 5277.6
TSMOH: 1146.2

C/W 100 HR inspection IAW Cessna 172M Maintenance Manual & Single Engine Guide. Performed Compression Test. 1)78/80, 2)78/80, 3)77/80, 4)77/80. C/W 500 hour mag inspection IAW Slick Manual. Replace contact in both mags. Replaced distributor gear in right mag. Set internal timing and installed mags with new gaskets P/N 12681. Set mag to engine time IAW engine data plate. Ops check good. All AD's are current, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 
Scott Wilson A&P3142227

Date: July 18, 2013

DATE

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1050.3
TTA: 7943.4
TTE: 5305.2
SMOH: 1173.8

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Inspected and cleaned engine. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: Aug 17, 2013

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1103.7
TTA: 7996.8
TTE: 5358.6
SMOH: 1227.2

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Cleaned and Gapped spark plugs. Inspected and cleaned engine. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: Sept 21, 2013

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1154.6
TTA: 8047.7
TTE: 5409.5
SMOH: 1278.1

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Replaced New EGT probe #2 cylinder P/N M-111. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: October 21, 2013

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1198.7
TTA: 8091.8
TTE: 5453.6
SMOH: 1322.2

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Cleaned and gapped spark plugs. Cleaned and inspected engine. Serviced battery. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: Jan 2, 2014

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1251.9
TTA: 8145.0
TTE: 5506.8
SMOH: 1375.4

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Cleaned and inspected engine. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: March 20, 2014

DATE

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1303.7
TTA: 8196.8
TTE: 5558.6
SMOH: 1427.2

No. _____

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Cleaned and gapped spark plugs. Cleaned and inspected engine. Serviced battery. Compressions 1)75 2)78 3)77 4)78. Checked mag timing. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: May 28, 2014

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1355.6
TTA: 8248.7
TTE: 5610.5
SMOH: 1479.1

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: July 1, 2014

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 1380.8
TTE: 5635.7
TSMOH: 1504.3

C/W 100 HR inspection IAW Cessna 172M Maintenance Manual & Single Engine Guide. Performed Compression Test. 1)70/80, 2)76/80, 3)76/80, 4)77/80. Cleaned and gapped spark plugs. Checked and set mag timing. All AD's are current, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: July 25, 2014

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1402.1
TTA: 8295.2
TTE: 5657
SMOH: 1525.6

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: August 26, 2014

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1448.7
TTA: 8341.8
TTE: 5703.6
SMOH: 1572.2

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: October 4, 2014

DATE

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1448.7 ⁵⁰ 1499.8
TTA: 8392.9
TTE: 5754.7
SMOH: 1623.3

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Ran engine ops check good no leaks found. Cleaned and gapped spark plugs. Performed compression test. All cylinders 70/80 psi or better. C/W AD2011-10-09 Par. (g)1-10 by inspection and measurement of the seat rail, seat roller housing and tangs. Next due @ 1599.8 or next annual whichever comes first.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: Scott Wilson

Scott Wilson A&P3142227

Date: November 20, 2014

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1544.9
TTA: 8438.0
TTE: 5799.8
SMOH: 1668.4

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Removed magnetos. Performed 500 hour inspection. Replaced coil P/N K3975 in left magneto. Replaced contact assemblies both left and right magnetos. Reinstalled and timed magnetos to engine. Ran engine ops check good no leaks found. Removed, cleaned and inspected alternator. Replace alternator brushes P/N ES4118. Reinstalled alternator. Ops check good. Removed exhaust muffler Inspected and leak checked. No leaks found. Reinstalled muffler. Repaired loose rivets in carb heat box. Installed new REIFF FAA/PMA approved engine heater Hot Band Heat System and Hot Strip Oil Sump Heater IAW REIFF Installation Instruction.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: Scott Wilson

Scott Wilson A&P3142227

Date: January 13, 2015

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1599.6
TTA: 8492.7
TTE: 5854.5
SMOH: 1723.1

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Removed Sump oil screen, inspected and cleaned. Reinstalled screed with new gasket. P/N MS35769-21. Replaced gasket on oil dip stick tube, P/N 72509. Ran engine, check for leaks. No leaks found, ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: Scott Wilson

Scott Wilson A&P3142227

Date: April 10, 2014

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1644.9
TTA: 8538.0
TTE: 5899.8
SMOH: 1768.4

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Removed and replaced Overhauled Carburetor Heat Box. P/N0552113-13. Carburetor Heat Box was Overhauled by Acorn Welding Edmonton, Alberta Canada. Sales Order # 042636-00. Replace Carburetor Heat Scat Hose. Ran and leak checked engine. Ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: Scott Wilson

Scott Wilson A&P3142227

Date: July 15, 2015



10916-119 St.
Edmonton, Alberta, Canada
T5H-3P4
Ph: 1-780-447-5955
Fax: 1-780-447-5980
www.acornwelding.com
parts@acornwelding.com

Work Order Summary

Release Tag #

15- 2941

Work Order Number#

IO545

Part Number: 0552113-13

Sales Order/Purchase Order

SO:N/A

Description: Airbox C-172

PO:N/A

Replaced Items

- | | | |
|---|------------------------------------|---|
| <input type="checkbox"/> Divider | <input type="checkbox"/> Heat Sink | <input type="checkbox"/> Bolt Flange |
| <input checked="" type="checkbox"/> Body | <input type="checkbox"/> Gusset | <input type="checkbox"/> Beaded End |
| <input type="checkbox"/> Bail | <input type="checkbox"/> Slip End | <input type="checkbox"/> Inlet Section |
| <input type="checkbox"/> Flange | <input type="checkbox"/> Section | <input type="checkbox"/> End Plate |
| | <input type="checkbox"/> Spring | <input type="checkbox"/> Flame Arrestor |
| <input checked="" type="checkbox"/> Flapper | <input type="checkbox"/> Fitting | <input type="checkbox"/> Outlet Section |
| <input type="checkbox"/> Doubler | <input type="checkbox"/> Elbow | <input type="checkbox"/> Riser Section |
| <input checked="" type="checkbox"/> Shaft | <input type="checkbox"/> Bellows | <input type="checkbox"/> Shroud Ring |
| <input type="checkbox"/> Bell Joint | <input type="checkbox"/> Skin | <input checked="" type="checkbox"/> Bush/Bearings |
| <input type="checkbox"/> Ball Joint | <input type="checkbox"/> Bracket | <input checked="" type="checkbox"/> Fasteners |
| <input type="checkbox"/> Other: | | |

Work Completed:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Cleaned/Inspected (AC 43.13) | <input checked="" type="checkbox"/> Repaired (AC 43.13) |
| <input type="checkbox"/> Leak Tested (Acorn LTP #1) | <input checked="" type="checkbox"/> Welded (AWS D17.1) |
| <input type="checkbox"/> Corrosion Protected (AC 43.13) | <input type="checkbox"/> Heat Treat (AC 43.13) |
| <input checked="" type="checkbox"/> Primed and Painted (AC 43.13) | <input checked="" type="checkbox"/> Riveted (AC 43.13) |
| <input type="checkbox"/> MPI (ASTM E-1444) | <input type="checkbox"/> LPI (ASTM E-1417) |
| <input type="checkbox"/> Resistance Welded (AWS D17.2) | |
| <input type="checkbox"/> Other: | |

Certifies that work indicated on this Work Order Summary was completed in accordance with the standards indicated. This is not a Airworthiness release but a summary for the work indicated in block 11 of tag # identified in the lower left corner of this summary.

14b. Authorized signature

14c. Approved Organization Number

100-91

14d. Name

Roy Milton

SCA-007

14e. Date (dd/mm/yyyy)

20-May-15

1. Approving national aviation authority/country

TRANSPORT CANADA**AUTHORIZED RELEASE CERTIFICATE
FORM ONE**

3. Form tracking No.

2015- 2941

4. Approved organization name and address

**ACORN WELDING LTD. 10916-119TH ST. NW
EDMONTON, AB T5H 3P4**

Ph:1-888-388-8803

Ph:1-780-447-5955

Fax:1-700-447-5900

www.acornwelding.com

5. Work order/contract/invoice

SO:N/A**PO:N/A**

6. Item	7. Description	8. Part Number	Eligibility ^a	9. Qty	10. Serial/ Batch #	11. Status/Work
1	Airbox C-172	0552113-13		1	IO545	REPAIRED

12. Remark

New body assy, New shaft/flapper assy, Welded as per AWS D17.1, Riveted as per AC 43.13. Refer to work order summary.

EASA PART-145 Approved Repair Facility # EASA.145.7212

13a. Certifies that the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation
- ☐ Non approved design data specified in block 12.

14a. ☒ CAR 571.10 Maintenance Release☒ Other regulations specified in block 12.

Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 was performed in accordance with CAR 571

13b. Authorized signature

13c. Approved Organization Number

14b. Authorized signature

14c. Approved Organization Number

13d. Name

13e. Date (dd/mm/yyyy)

14d. Name

14e. Date (dd/mm/yyyy)

Roy Milton

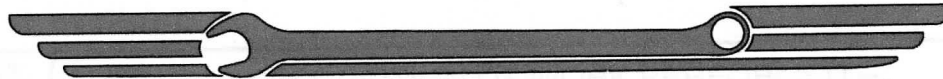
SCA-007

20-May-15

^aInstaller must cross-check eligibility with approved data 1. This certificate does not constitute authority to install the part. 2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1. 3. Statements 10a and 14a do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

DATE

Page No. _____



Flying Wrench

expert aircraft maintenance, repair & overhaul

Lycoming

O-320-E2D

S/N: RL-29133-27A

08-12-2015

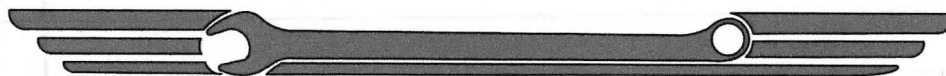
TSMOH: 1781.7

TachTime: 1658.2

Performed an annual inspection using FAR Part 43 app. D as a checklist. Replaced all of the spark plugs with Champion REM40E. Replaced all of the valve cover gaskets p/n SLR75906. Removed the exhaust system and pressure tested IAW the manufacturer's instructions, installed new exhaust gaskets p/n 77611. This engine is returned to service with respect to the scope and detail of an annual inspection.

Jason L. Miles A&P 3399595 IA
(435) 671-9126

P.O. Box 22861 Salt Lake City Utah 84122



Flying Wrench

expert aircraft maintenance, repair & overhaul

Lycoming

O-320-E2D

S/N: RL-29133-27A

9-11-2015

TachTime: 1702.8

Drained the engine oil and collected a sample for analysis. Replaced the oil filter with a new Champion CH48110-1 oil filter, filled the crankcase with 8 quarts of Aeroshell 15-50 oil. Ran the engine and checked for leaks. This engine is returned to service with respect to the maintenance performed on this logbook entry.

Gary L. Madsen A&P 2743384
(435) 671-9126

180 North 2400 West Suite 106 Salt Lake City Utah 84116

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1750.8
TTA: 8643.9
TTE: 6005.7
SMOH: 1874.3

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Reinstalled Cabin Heat Duct at heat exchanger. Re safety oil dip stick tube. Inspected engine. Ran engine, check for leaks. No leaks found, ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: November 5, 2015

DATE

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1798.5
TTA: 8691.6
TTE: 6053.4
SMOH: 1922.0

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Cleaned and Gapped Spark Plugs. Replace plug gaskets P/N M674. Performed cylinder compression check. All cylinders ok. Inspected and cleaned engine. Ran engine, check for leaks. No leaks found, ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: February 13, 2016

Inspector: 

Scott Wilson A&P3142227

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1848.6
TTA: 8741.7
TTE: 6103.5
SMOH: 1972.1

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Inspected engine. Ran engine, check for leaks. No leaks found, ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: May 17, 2016

Inspector: 

Scott Wilson A&P3142227

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1904.0
TTA: 8797.1
TTE: 6158.9
SMOH: 2027.5

Removed Engine for Overhaul.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: Aug 15, 2016

Inspector: 

Scott Wilson A&P3142227

O-320-E2D S/N RL29133-27A
Engine Total Time 6158.9
Time Since Overhaul 0.0

October 25, 2016

Major overhaul completed in compliance with all F.A.A. and Lycoming directives to date. Engine was previously modified to 160 HP per STC SE00252SE. Magnafluxed all steel parts, fluorescent penetrant inspected all aluminum parts. Inspected crank per SB505 and coated ID per SB530. Rebrushed Rods and rockers, overhauled cylinders with new seats and guides and honed all cylinders. Overhauled Mags, carburetor and alternator and installed a new starter. Assembled engine with new main and rod bearings, new rod bolts and nuts, new cam and lifters, new exhaust valves, new pistons and rings, new piston pins and new rocker shafts and all new seals and gaskets. Installed mags and timed to engine, installed A new ignition harness and new spark plugs. Test ran engine on test stand per Lycoming test specs, split filter and found clean. All work completed per Lycoming direct drive overhaul manual 60294-7-1, table of limits SSP-1776-1 and all Lycoming directives to date.

The engine and/or component identified above was inspected and repaired in accordance with current Federal Air Regulations and Lycoming specifications to date. Pertinent details of the repair/overhaul are on file at this Repair Station under Work Order No. 18364.

Signed



C.R.S. 8W3R798C

Precision Air Power
1593 West 2350 South
Woods Cross, Utah
84087

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 1904.0
TTE: 6158.9
TSMOH: 0.0

No. _____

DATE

Installed Overhauled Engine on N1454U. C/W 100 HR inspection IAW Cessna 172M Maintenance Manual & Single Engine Guide. All AD's are current, see AD list. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: February 8, 2017

Inspector:

Scott Wilson
Scott Wilson A&P3142227

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1924.2
TTE: 6179.1
SMOH: 20.2

Changed oil and filter with 8 qts. Aeroshell 100 mineral, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Inspected engine. Ran engine, check for leaks. No leaks found, ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: April 25, 2017

Inspector:

Scott Wilson
Scott Wilson A&P3142227

9/16/17
Tach 1955.6
Changed oil & filter Added 8 qts Aeroshell 15W-50
CH 48110-1 filter. No leaks found Scott Wilson 3142227

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 1999.0
TTA: 8998.7 *SW*
TTE: 66360.5 *SW*
SMOH: ~~150.4~~ 95.0 *SW*

Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Inspected engine. Ran engine, check for leaks. No leaks found, ops check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: July 28, 2017

Inspector:

Scott Wilson
Scott Wilson A&P3142227

O-320-E2D S/N RL-29133-27A
Tach Time 2022.3

September 20, 2017

Complied with AD 2017-16-11 and MSB632B inspection of Lycoming connecting rod bushings. Removed all engine baffles, intake pipes and removed cylinders from engine. Removed connecting rods and rebushed with Superior bushings. Reinstalled rods with new con rod bolts and nuts, reinstalled cylinders with new seals and gaskets and reinstalled intake pipes and cylinder baffles. Removed carburetor and installed a new needle and seat, bowl gasket and locktabs and reset float level, reinstalled carburetor and rigged control cables. Test ran engine and no oil leaks found. Recowled engine.

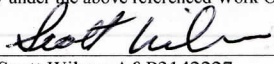
The aircraft and/or component identified above was inspected and repaired in accordance with current Federal Air Regulations and Lycoming specifications to date. Pertinent details of the repair/overhaul are on file at this repair station under Work Order No. 18510

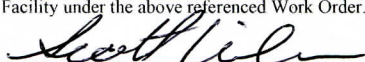
Signed


Robert Espain

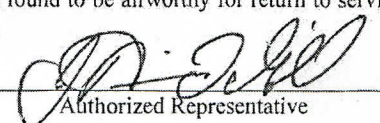
C.R.S. 8W3R798C

Precision Air Power
1593 West 2350 South
Woods Cross, Utah 84087

Page No. _____	Model: Cessna C172M S/N: 17267121 Reg# N1454U Eng S/N: RL-29133-27A	Tach: 2065.7 TTE: 6320.6 SMOH: 161.7
DATE	<p align="center">DESCRIPTION OF WORK PERFORMED</p> <p align="center">SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK</p>	
	<p>Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Inspected engine. Re Safety dip stick tube. Ran engine, check for leaks. No leaks found, ops check good.</p>	
	<p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.</p>	
	Date: December 8, 2017	Inspector:  Scott Wilson A&P3142227

Model: Cessna C172MN S/N: 17267121 Reg# N1454U Eng M/N: O-320-E2D Eng S/N: RL-29133-27A	Tach: 2106.6 TTE: 6361.5 TSMOH: 2106.6
<p>C/W 100 HR inspection IAW Cessna 172M Maintenance Manual & Single Engine Guide. Performed Compression Test. 1)76/80, 2)79/80, 3)76/80, 4)74/80. Cleaned and gapped spark plugs. Checked and set mag timing. Changed oil and filter. Added 8 quarts Aeroshell 15W-50. Installed CH48110 oil filter. Performed leak check on Power Flow Muffler. No leaks found. All AD's are current, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.</p>	
<p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.</p>	
Date: February 25, 2018	Inspector:  Scott Wilson A&P3142227

Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N4971G	<p align="center">Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398</p>	WO: 18-0529 Tach: 2160.2
<p>Run up drain oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new filter CH48110-1. Serviced w/ 8 quarts AS 15W-50 oil. Remove all spark plug clean and gap, reinstall, check magnetos timing. Run up and leak checks found satisfactory. Wash engine and cowl.</p>		
<p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.</p>		
Date: April 10, 2018	Signature:  Huy Bui 3688325AP	

<p>Crownair Aviation FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. San Diego, CA 92123</p>		
N1454U 04-02-18	Cessna 172M Tach: 2149.4 Hrs	S/N: 17267121
<p><u>Maintenance performed:</u></p> <ul style="list-style-type: none"> - Customer reports fuel leaking from engine compartment. Removed top and bottom engine cowl for access and inspected engine. Found fuel leaking at main fuel strainer top. Removed tail pipe for access and disassembled fuel strainer. Replaced top o-ring with new P/N MS29513-010. Reassembled fuel strainer and leak check is good. Reinstalled tail pipe and engine cowl. 		
<p>I certify that with respect to the work performed this aircraft was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-18-08255.</p>		
<p align="right"> Authorized Representative</p>		

(PERFORMED --
ERSON PERFORMING WORK

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.)

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
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Make: Lycoming Model: O-320-E2D S/N: FL-29133-27E Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	WO: <input checked="" type="checkbox"/> Tach: 2205.8
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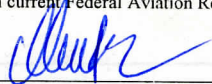


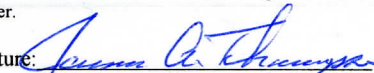

Run up drain oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new filter CH48110-1. Serviced w/ 8 quarts AS 15W-50 oil. Run up and leak checks found satisfactory.

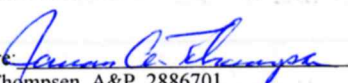
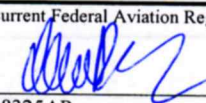
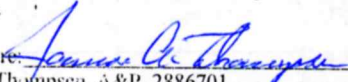
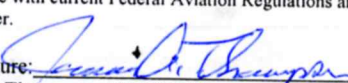
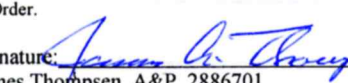
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

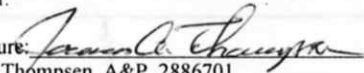

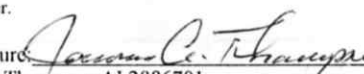
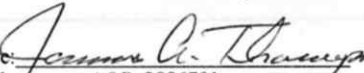
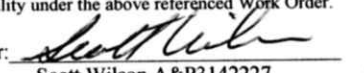
Signature 
 James Thompson A&P 2886701

Date: May 16, 2018

W/O

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U		Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	WO: Tach: 2261.3 ✓
Run up drain oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new filter CH48110-1. Serviced w/ 8 quarts AS 15W-50 oil. Remove all spark plugs, clean and gap, reinstall. Wash engine. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: June 26, 2018		Signature:  Huy Bui 3688325AP	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U		Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	WO: Tach: 2312.3 ✕
Run up and drained oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new oil filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Cleaned and gapped all spark plugs. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: September 20, 2018		Signature:  James Thompson A&P 2886701	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U		Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	WO: Tach: 2364.0 ✕
Run up drain oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: February 4, 2019		Signature:  James Thompson A&P 2886701	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27A Reg# N1454U		Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	W/O: Tach: 2370.0 ✕ TSOH: 466.0
C/W 100 HR/Annual inspection IAW Cessna 172M Maintenance Manual & Single Engine Inspection Guide. No oil change done at this time. Performed differential compression test, as follows: 1 74/80 2 72/80 3 76/80 4 77/80. Check AD compliance log, all AD are current, see AD list. Performed routine maintenance and servicing, wash engine and cowling. Run up, ops and leak checks found satisfactory. I certify that this engine has been inspected in accordance with 100 HR/Annual inspection and found to be airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: March 14, 2019		Signature:  James Thompson AI 2886701	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U		Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	WO: 19-988 Tach: 2410.3
Run up drain oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: April 15, 2019		Signature:  Huy Bui 3688321AP	

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	WO: Tach: 2465.2	X
Run up and drained oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new oil filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: June 13, 2019		Signature:  James Thompson A&P 2886701	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	WO: Tach: 2515.4	X
Run up and drained oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new oil filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: August 30, 2019		Signature:  Huy Bui 3688325AP	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5298	WO: Tach: 2564.3 TSMO: 660.3	X
Run up and drained oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new oil filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Removed and cleaned and gapped all spark plugs. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: February 20, 2020		Signature:  James Thompson A&P 2886701	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27A Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	W/O: Tach: 2573.1 TSOH: 669.1	X
C/W 100 HR/Annual inspection IAW Cessna 172M Maintenance Manual & Single Engine Inspection Guide. No oil change done at this time. Performed differential compression test, as follows: 1 6980 2 76/80 3 74/80 4 71/80. Removed both magnetos and performed 500 hour inspection on both. Installed new points in both mags. Reinstalled both mags and timed to engine. Check AD compliance log, all AD are current, see AD list. Performed routine maintenance and servicing, wash engine and cowling. Run up, ops and leak checks found satisfactory. I certify that this engine has been inspected in accordance with 100 HR/Annual inspection and found to be airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: March 27, 2020		Signature:  James Thompson AI 2886701	
Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	WO: Tach: 2610.6 TSMO: 706.6	
Run up and drained oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new oil filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: June 5, 2020		Signature:  James Thompson A&P 2886701	

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
		Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398
		WO: Tach: 2670.8 TSOH: 766.8	
Run up and drained oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new oil filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Installed 8 new REM38E spark plugs. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: September 3, 2020		Signature:  James Thompson A&P 2886701	
		Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398
		WO: Tach: 2720.8 TSMO: 816.8	
Run up and drained oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new oil filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: October 30, 2020		Signature:  James Thompson A&P 2886701	
		Make: Lycoming Model: O-320-E2D S/N: RL-29133-27A Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398
		W/O: Tach: 2790.6 TSOH: 886.6	
C/W 100 HR/Annual inspection IAW Cessna 172M Maintenance Manual & Single Engine Inspection Guide. Changed oil and filter. Cut open old filter and inspected. No defects found. Serviced engine with 8 qts AS 15W50 oil and a new AA48110-2 oil filter. Performed differential compression test, as follows: 1 71/80 2 71/80 3 73/80 4 73/80. Cleaned and gapped all spark plugs. Checked magneto timing. Tightened all cylinder drain line clamps. Check AD compliance log, all AD are current, see AD list. Performed routine maintenance and servicing, wash engine and cowling. Run up, ops and leak checks found satisfactory. I certify that this engine has been inspected in accordance with 100 HR/Annual inspection and found to be airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: March 1, 2021		Signature:  James Thompson AI 2886701	
		Make: Lycoming Model: O-320-E2D S/N: RL-29133-27E Reg# N1454U	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398
		WO: Tach: 2841.6 TSMO: 937.6	
Run up and drained oil hot. Changed oil & filter. Cut & inspected filter. No defects noted. Installed new oil filter AA48110-2. Serviced w/ 8 quarts AS 15W-50 oil. Run up and leak checks found satisfactory.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: May 26, 2021		Signature:  James Thompson A&P 2886701	
		Model: Cessna C172M S/N: 17267121 Reg# N1454U Eng S/N: RL-29133-27A	Tach: 2885.5
Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Removed and cleaned lower spark plugs. Removed exhaust and inserted 5/16 Heli coil in #3 cylinder exhaust stud hole. Installed new exhaust stud and exhaust gasket. Reinstalled exhaust. Ran engine ops check good no leaks found.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: September 20, 2021		Inspector:  Scott Wilson A&P3142227	

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	Model: Cessna C172M S/N: 17267121 Reg# N1454U Eng S/N: RL-29133-27A	Tach: 2938.0 X Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. Removed and cleaned and gapped all spark plugs. Performed compression test on cylinders. 1)74/80, 2)76/80, 3)74/80, 4)74/80. Cleaned and inspected engine. Cleaned Induction air filter. Ran engine ops check good no leaks found. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order. Date: December 2, 2021 Inspector: <u>Scott Wilson</u> Scott Wilson A&P3142227
	Model: Cessna C172M S/N: 17267121 Reg# N1454U Eng S/N: RL-29133-27A	Tach: 2983.4 X Changed oil and filter with Aeroshell 15W-50, Filter P/N CH48110-1. Cut and inspected filter. No metal found. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order. Date: February 10, 2022 Inspector: <u>Scott Wilson</u> Scott Wilson A&P3142227
	Model: Cessna C172MN S/N: 17267121 Reg# N1454U Eng M/N: O-320-E2D Eng S/N: RL-29133-27A	Tach: 3011.5 TTE: 7266.4 TSMOH: 1107.5 C/W 100 HR inspection IAW Cessna 172M Maintenance Manual & Single Engine Guide. Performed Compression Test. 1)70/80, 2)72/80, 3)75/80, 4)74/80. Cleaned and gapped spark plugs. Checked and set mag timing. Performed leak check on Power Flow Muffler. No leaks found. All AD's are current to 4/1/2022, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order. Date: April 1, 2022 Inspector: <u>Scott Wilson</u> Scott Wilson A&P3142227
6/8/22	Tach	3036.3 Changed oil & filter p/n CH48110-2 added 7gts Aeroshell 15W-50 - cut filter. No contaminants found. cleaned & inspected engine. Scott Wilson 3142227
	Tach	3073.7 Changed oil & filter p/n AA48110-2 added 8gts Aeroshell 15W50. Cut filter No contaminants found. Scott Wilson 3142227.

DATE

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 3108.3

X

Changed oil and filter with Aeroshell 15W-50, Filter P/N AA48110-1. Cut and inspected filter. No metal found. Removed spark plugs, cleaned inspected and gapped. Re-installed spark plugs. Ran engine, ops check was good. No leaks were found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: October 7, 2022

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 3157.9
TTE: 7412.8
TSMOH: 1253.9

C/W 100 HR inspection IAW Cessna 172M Maintenance Manual & Single Engine Guide. Performed Compression Test. 1)71/80, 2)75/80, 3)76/80, 4)70/80. Cleaned and gapped spark plugs. Removed both magnetos. C/W 500 hr. inspection. Replaced contact assy in both magnetos. Set internal timing. Re-installed magnetos with new gaskets and timed to engine. Performed leak check on Power Flow Muffler. No leaks found. All AD's are current to 4/1/2022, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: November 30, 2022

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 3207.0

X

Changed oil and filter with Aeroshell 15W-50, Filter P/N AA48110-1. Cut and inspected filter. No metal found. Ran engine, ops check was good. No leaks were found. Cleaned Engine. C/ W 50 hr inspection.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: February 16, 2023

Model: Cessna C172M
S/N: 17267121
Reg# N1454U
Eng S/N: RL-29133-27A

Tach: 3191.3

X

Removed old starter motor and installed new Starter Motor. P/N 149NL, S/N H-X011039. Ops checked good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: February 8, 2023

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Old Tach: 3238.6
New Tach: 3170.8
TTE: 7493.5
TSMOH: 1334.6

Removed Old Carburetor and installed overhauled carburetor P/N AV10-5217 S/N, AV11274889. Adjusted carburetor to 700 RPM at idle. Set mixture for 75 RPM rise at shutdown. Changed Oil and Filter. Added 7 quarts Aeroshell 15W-50 and installed AA48110-2 filter. Ran engine and inspected for leaks no leaks were noted. Cut filter and inspected for metal. Now noticeable metal was found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: 

Scott Wilson A&P3142227

Date: May 12, 2023

DA

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

New Tach: 3212.0
TTE: 7534.7
TSMOH: 1375.8

ge No.

Changed Oil and Filter. Added 7 quarts Aeroshell 15W-50 and installed AA48110-2 filter. Ran engine and inspected for leaks no leaks were noted. Cut filter and inspected for metal. Now noticeable metal was found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: July 13, 2023

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U
Eng M/N: O-320-E2D
Eng S/N: RL-29133-27A

Tach: 3256.5
TTE: 7579.2
TSMOH: 1420.3

C/W 100 HR inspection IAW Cessna 172M Maintenance Manual & Single Engine Guide. Performed Compression Test. 1)68/80, 2)76/80, 3)73/80, 4)75/80. Replaced spark plugs UREM40E. Removed oil dip stick tube. Cleaned and replaced gasket P/N 72059. Re-safety oil dip stick tube. Removed and replaced gasket from oil pressure regulator. P/N MS35769-31. Cleaned induction air filter. Check and set magneto timing. Performed leak check on Power Flow Muffler. No leaks found. Cleaned engine. All AD's are current to 11/10/23, see AD list. Performed routine maintenance and servicing. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: November 10, 2023

3/23/24

X

Tach 3295.3

changed oil & filter. Added 7 qts.
Aeroshell 15W-50. Filter champion CH48110-2.
Ran eng ops check good no leaks.
Scott Wilson 3142227 A&P

Model: Cessna C172MN
S/N: 17267121
Reg# N1454U

Eng M/N: O-320-E2D/160hp
Eng S/N: RL-29133-27A

Tach: 3353.1
TTE: 7675.8
TSMOH: 1516.9

Changed Oil and Filter. Added 7 quarts Aeroshell 15W-50 and installed CH48110-2 filter. Ran engine and inspected for leaks no leaks were noted. Cut filter and inspected for metal. No noticeable metal was found. Removed, cleaned and gapped spark plugs. Re-installed spark plugs. Inspected engine for leaks. No leaks were found.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector:

Scott Wilson A&P3142227

Date: June 18, 2024

Aviation Excellence, LLC
Layton, Utah
435-513-1366

Date: 01/01/2025 Aircraft: N1454U Tach: 3429.4 AFTT: 10,552.1 TTE: 7,752.1 SMOH: 1,593.2

Completed a 100 Hr inspection I/A/W Cessna 172M Service manual. Drained the oil hot. Removed, cut open and inspected the oil filter for metal and contamination, none found. Installed a new oil filter P/N CH48110-2 and serviced the engine with 7 Qts of Aeroshell 15W-50 oil. The compressions checked as follows: #1 68/80, #2 73/80, #3 71/80, #4 74/80. Cleaned, gapped and rotated the spark plugs. Checked the magneto timing. Completed an AD search through Bi-Weekly update 2024-25. AD 24-21-02 is N/A by parts installed and date. The engine was serviced and lubed as required. The engine was run up and ops checked, and leak checked good.

I certify that this Engine has been inspected I/A/W A 100 Hr
Inspection and was determined to be in airworthy condition.

Jim Dixon AP3534285

What follows are
papers kept in an
envelope attached to
the inside back cover
of engine logbook #3.

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2.				3. Form Tracking Number: J012751			
4. Organization Name and Address: KELLY AEROSPACE ENERGY SYSTEMS, 2900 SELMA HWY., MONTGOMERY, AL. 36108 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG						5. Work Order/Contract/Invoice Number: W/O: M096870			
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:			
1	ALTERNATOR ***** DOFF10300J MOD/NO END *****	N/A	*****	1	J012751	OVERHAULED			
13. Remarks: COPY OF WORK ORDER AVAILABLE ON REQUEST FROM KELLY AEROSPACE ENERGY SYSTEMS CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER EASA.145.4418 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER UT2R226L. APPROVED FOR EXPORT THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES IDENTIFIED AS MOD/NO & ORIG. MFG. COMPLIES WITH PPS-9001 LATEST REVISION. OVERHAULED PER CESSNA MANUAL # D5107-1-13, REV 1..									
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13						19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature:		21. Approval/Certificate No:			
				<i>Selina P. Stokes</i>		UT2R226L			
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed):		23. Date (m/d/y):			
				<i>Selina P. Stokes</i>		FEB 12 2009			
User/Installer Responsibilities									
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.									
Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.									

NSN: 0052-00-012-9005

*Installer must cross-check eligibility with applicable technical data.

FAA Form 8130-3 (6-01)

ESICODE: 00315

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2.		3. Form Tracking Number: 0024387-105			
4. Organization Name and Address: WESTERN SKYWAYS 21 CREATIVE PLACE MONTROSE, COLORADO 81401				5. Work Order/Contract/Invoice Number: 0024387			
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	CARBURETOR	10-5217	N/A	1	BL 20 10630	OVERHAULED	
13. Remarks OVERHAULED IN ACCORDANCE WITH MANUAL FSM-OH1. COMPLIED WITH ALL APPLICABLE SB'S AND AD'S. A complete description of work performed is on file at the above referenced organization under the work order and system tracking reference number indicated in blocks 3 and 5.							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature <i>Tory Nicholson</i>		21. Approval/Certificate No.: WS9RS75J	
17. Name (Typed or printed):		18. Date (m/d/y):		22. Name (Typed or Printed): TORY NICHOLSON		23. Date (m/d/y): FEBRUARY 27, 2009	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							



WESTERN
Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

2775 E. 1st Ave.
Suite 100, Aurora, CO 80010
www.westernskyways.com
1800.375.4824
Fax: 303.749.4176

DATE: 2-26-09		W/O#: 24387		TYPE OF TEST: Standard Acceptance		CRS# WS9R575J	
ENGINE MODEL: 0-320-E2D		SERIAL NUMBER: R1-29433-27A		RPM: 2700		HP: 160	
FUEL OCTANE: 100LL		OIL SPEC: 20W-50		SPARK PLUGS: REM40E		NOZZLES: N/A	

TIME MINUTES	RPM	MANIFOLD PRESS	OIL PRESS	OIL TEMP	FUEL PRESS	NOZZLE PRESS	FUEL FLOW	CYLINDER HEAD TEMPERATURE							
								1	2	3	4	5	6	7	8
5	1200	13.0	76	75	3.9	N/A	18.9	266	271	312	313				
5	1500	13.3	76	95	4.0	-	22.4	313	330	390	389				
30	2200	16.9	72	150	4.0	-	39.0	325	343	415	413				
30	2200	16.9	72	165	4.2	-	40.0	320	340	425	430				
5	2700	20.8	81	162	4.0	-	62.0	333	347	430	434				
5	2200	16.4	74	162	4.2	-	38.0	325	339	410	410				
5	1500	13.3	61	169	4.4	-	23.0	Cool Down Phase -							
5	1500	13.3	63	166	4.4	-	23.2								
2	600	11.1	47	164	4.5	-	7.8								
TEST															
LIMITS															

REMARKS: W.S. slave carb.

AMBIENT AIR TEMP: 56°F		ABSOLUTE BAROMETRIC PRESSURE: 23.3"		ELEV: 5794' A.S.L	
BOTH MAGS RPM: 1900		LEFT MAG DROP: 100		RIGHT MAG DROP: 100	
TEST OPERATOR: Jason Becker		SIGNATURE: <i>Donald M. Becker</i>			

AD NOTES COMPLIANCE RECORD

Engine - Textron Lycoming - O-320-E2D
Appliance - Magnetos - Slick 4371/4370

S/N: RL-29133-27A
S/N: 08122644
S/N: 08081920

Western Skyways, Inc. W/O: 24387

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
55-02-02	Drive adaptor gasket	02/26/09 4131.4	N/A by engine serial number.	X			Rene Medina WS9R575J
59-10-07	Cylinder baffle clamps	02/26/09 4131.4	CW assembled with baffel straps and retainer hooks.	X			Rene Medina WS9R575J
63-23-02	Exhaust valve stem	02/26/09 4131.4	N/A 1/2 inch valves installed.		X		Rene Medina WS9R575J
64-16-05	Oil seal failure	02/26/09 4131.4	N/A by part number.	X			Rene Medina WS9R575J
66-20-04	Oil filter adaptor gasket	02/26/09 4131.4	N/A by engine model.	X			Rene Medina WS9R575J
73-23-01 R4	Piston pin failures	02/26/09 4131.4	N/A by part number LW-14078.	X			Rene Medina WS9R575J
74-18-05	Slick magnetos	02/26/09 4131.4	N/A by part and serial number.		X		Rene Medina WS9R575J
75-08-09 R3	Oil pump	02/26/09 4131.4	CW assembled IAW Lycoming SB 524.	X			Rene Medina WS9R575J
77-07-07	Oil filler extension	02/26/09 4131.4	N/A by engine model.	X			Rene Medina WS9R575J
77-20-07	Rocker arm retaining studs	02/26/09 4131.4	N/A by engine model.	X			Rene Medina WS9R575J
78-12-08	Oil pump driving impellor	02/26/09 4131.4	N/A by engine model.	X			Rene Medina WS9R575J
78-12-09	Crankshaft assembly	02/26/09 4131.4	N/A by engine model.	X			Rene Medina WS9R575J
79-10-03 R2	Engine mounting bolts	02/26/09 4131.4	N/A by engine model.	X			Rene Medina WS9R575J
80-04-03 R2	Push rods	02/26/09 4131.4	N/A by engine model.		X		Rene Medina WS9R575J
80-06-05	Slick magnetos	02/26/09 4131.4	N/A by magneto part number.	X			Rene Medina WS9R575J
80-14-07	Exhaust valve spring seats	02/26/09 4131.4	N/A by engine model.	X			Rene Medina WS9R575J
81-16-05	Slick magnetos	02/26/09 4131.4	N/A by magneto part number.	X			Rene Medina WS9R575J
81-18-04 R2	Oil pump		Superseded by 96-09-10.	X			Rene Medina WS9R575J

Engine - Textron Lycoming - O-320-E2D S/N: RL-29133-27A Western Skyways, Inc. W/O: 24387
 Appliance - Magnetos - Slick 4371/4370 S/N: 08122644
 S/N: 08081920

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
87-10-06 R1	Rocker arm assemblies	02/26/09 4131.4	N/A by part number-IN 69444 EX 74636	X			Rene Medina WS9R575J
90-04-06 R1	Prop governor oil line	02/26/09 4131.4	N/A no line installed.	X			Rene Medina WS9R575J
91-14-22	Crankshaft gear retaining bolt		Superseded by 2004-10-14.		X		Rene Medina WS9R575J
92-12-05	Piston pin failure	02/26/09 4131.4	N/A by purchase date.	X			Rene Medina WS9R575J
93-05-21	AC, Textron, Rajay fuel pumps		Superseded by 93-11-11.	X			Rene Medina WS9R575J
93-11-11	AC, Textron, Rajay fuel pumps	02/26/09 4131.4	N/A no pump installed.	X			Rene Medina WS9R575J
94-14-13	Low octane detonation		Superseded by 95-26-02.	X			Rene Medina WS9R575J
95-26-02	Low octane detonation	02/26/09 4131.4	Engine overhauled.	X			Rene Medina WS9R575J
96-09-10	Oil Pumps	02/26/09 4131.4	C/W Lycoming SB 524 installed SL18109A-S impeller kit.	X			Rene Medina WS9R575J
97-01-03	Piston pin		Superseded by 97-15-11.	X			Rene Medina WS9R575J
97-15-11	Piston pin	02/26/09 4131.4	C/W Lycoming SB 527C all pins identified as LW-14078.	X			Rene Medina WS9R575J
98-02-08	Crankshaft corrosion	02/26/09 4131.4	C/W Lycoming SB 505B.		X	At TBO or anytime engine is disassembled.	Rene Medina WS9R575J
98-17-11	Crankshafts	02/26/09 4131.4	N/A by vender.	X			Rene Medina WS9R575J
2004-10-14	CORRECTION - Prevent loosening or failure of the crankshaft gear retaining bolt	02/26/09 4131.4	Installed bolt part number STD2246.	X			Rene Medina WS9R575J
2005-26-10	To prevent loss of engine power due to cracks in the cylinder assemblies		Superseded by 2006-12-07.	X			Rene Medina WS9R575J
2006-12-07	To prevent loss of engine power due to cracks in the cylinder assemblies	02/26/09 4131.4	N/A by cylinder serial number.	X			Rene Medina WS9R575J
2008-19-05	To prevent loss of engine power due to cracks at the head-to-barrel interface in the cylinder assemblies and possible engine failure caused by separation of a cylinder head	02/26/09 4131.4	N/A by installation of cylinder serial number.		X		Rene Medina WS9R575J

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: QAA# 79811	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) Phone: 1-877-833-6948 5746 E. Apache, Bldg. A 918-835-6948 Tulsa, OK 74115 Fax: 918-835-2804				5. Work Order/ Invoice Number: INV # 79811			
6. Item	7. Description	8. Part/Number	9. Eligibility*	10. Qty	11. Serial/Batch Number	12. Status/Work	
1	Magneto	4371	(VARIOUS)	1	08122644	New	
13. Remarks: INSPECTED NEW PART - FOUND SATISFACTORY (Exchange)							
See Attached Work Order Summary for details. () pages (MECH:)							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the item(s) is (are) approved for return to service.			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature: <i>David Dutton</i>		21. Approval/Certificate No.: QYIR334Y	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): <i>David Dutton</i>		23. Date (m/d/y): 02/17/09	

FAA Form 8130-3 (9-03)

*Installer must cross check eligibility with applicable technical data.

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: QAA# 79811	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) Phone: 1-877-833-6948 5746 E. Apache, Bldg. A 918-835-6948 Tulsa, OK 74115 Fax: 918-835-2804				5. Work Order/ Invoice Number: INV # 79811			
6. Item	7. Description	8. Part/Number	9. Eligibility*	10. Qty	11. Serial/Batch Number	12. Status/Work	
1	Magneto	4370	(VARIOUS)	1	08081920	New	
13. Remarks: INSPECTED NEW PART - FOUND SATISFACTORY (Exchange)							
See Attached Work Order Summary for details. () pages (MECH:)							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the item(s) is (are) approved for return to service.			
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17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): <i>David Dutton</i>		23. Date (m/d/y): 02/17/09	

FAA Form 8130-3 (9-03)

*Installer must cross check eligibility with applicable technical data.

FAA-PMA

This tag certifies that Sky-Tec starter Model **149-NL** SN **FN-0509103** was produced by Sky-Tec under the authority of FAA PMA No. PQ0852SW Supplement No. 7 per CFR14 Part 21 in accordance with Sky-Tec's FAA-Approved Fabrication Inspection System (CFR14 Part 21 §21. 303) and conforms to the relevant FAA-approved drawings. This part has been determined to be airworthy. For installation eligibility see www.skytecair.com/eligibility.htm.

Starter Installed on **N 14540** by **Western Skyways**
(Aircraft) (Mechanic)
4/1/2009
(Date of Installation) (A&P No.)

Airworthiness Approval Tag
User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulation of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority to the country specified in block 1.

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Airworthiness Approval Tag
User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulation of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority to the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

NORTH AMERICAN FREE TRADE AGREEMENT
CERTIFICATE OF ORIGIN

OMB No. 1515-0204
See back of form for Paper-
work Reduction Act Notice.

19 CFR 181.11, 181.22

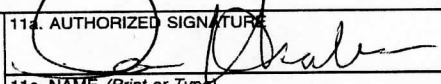
Please print or type

1. EXPORTER NAME AND ADDRESS Acorn Welding Ltd 10916-119 ST Edmonton, AB T5H 3P4		2. BLANKET PERIOD (DD/MM/YY) FROM 01/01/2015 TO 12/31/2015	
TAX IDENTIFICATION NUMBER: 11060 0467 RT0001		4. IMPORTER NAME AND ADDRESS Various.	
3. PRODUCER NAME AND ADDRESS Same as above		TAX IDENTIFICATION NUMBER: 11060 0467 RT0001	

5. DESCRIPTION OF GOOD(S)	6. HS TARIFF CLASSIFICATION NUMBER	7. PREFERENCE CRITERION	8. PRODUCER	9. NET COST	10. COUNTRY OF ORIGIN
Aircraft Exhaust Components	8409.10	B	Yes	No	Canada
Aircraft Exhaust Systems	8409.10	B	Yes	No	Canada
Aircraft Engine Components	8803.30	B	Yes	No	Canada
Aircraft Engine Mounts	8803.30	B	Yes	No	Canada
Aircraft Seat Frames	8803.30	B	Yes	No	Canada
Aircraft Seat Frame Parts	8803.30	B	Yes	No	Canada

I CERTIFY THAT:

- THE INFORMATION ON THIS DOCUMENT IS TRUE AND ACCURATE AND I ASSUME THE RESPONSIBILITY FOR PROVIDING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS MADE ON OR IN CONNECTION WITH THIS DOCUMENT;
- I AGREE TO MAINTAIN, AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THE CERTIFICATE WAS GIVEN OF ANY CHANGES THAT COULD AFFECT THE ACCURACY OR VALIDITY OF THIS CERTIFICATE;
- THE GOODS ORIGINATED IN THE TERRITORY OF ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE ORIGIN REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT, AND UNLESS SPECIFICALLY EXEMPTED IN ARTICLE 411 OR ANNEX 401, THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES; AND
- THIS CERTIFICATE CONSISTS OF PAGES, INCLUDING ALL ATTACHMENTS.

11a. AUTHORIZED SIGNATURE 		11b. COMPANY Acorn Welding Ltd.	
11c. NAME (Print or Type) Don Arabeec		11d. TITLE Director of Maintenance & Manufac	
11e. DATE (DD/MM/YY) 11/04/2014	11f. TELEPHONE NUMBER 780.447.5955	11g. FACSIMILE NUMBER 780.447.5980	



ACI-530873483159

Commercial Invoice

Invoice Number	Purpose of Shipment	Curr	Ult Dest.	Air Waybill Nbr.
Export Dt	C.I. References	CAD	US	530873483159
7/13/2015	SH 46766	Pkgs	Bill T/C	Bill D/T/F
		1	2066-6353-7	
		BOX		

Shipper:	Consignee:
YVETTE LAPOINTE	Centennnial Flyers
ACORN WELDING LTD	Avtech Services
10916 -119 ST	1887 South 1800 West
EDMONTON	WOODS CROSS
AB T5H3P4 CA (780) 447-5955	UT 84087 US (801) 403-6522
ID/EIN:	ID/EIN:26-4325663

Broker	Importer
	Centennnial Flyers
	Avtech Services
	1887 South 1800 West
	WOODS CROSS
	UT 84087 US (801) 403-6522
	ID/EIN: 26-4325663

Part Nbr:0552113-13	Marks/Nbrs:	Cntry MFG:CA	Net Wgt:	0.00 lbs
HS Code: 8803.30.	Unit Qty: 1.00 EA	Unit Value:	Commodity Value:	2,380.00
		2,380.000000		

Desc: CIVIL AIRCRAFT PART- AIRCRAFT ENGINE COMPONENT MADE OF STAINLESS STEEL

Total Shipment Weight: 5	Total Commodity Value: 2380.00
	Terms of Sale: FCA
	Freight: 0.00
	Insurance: 0.00
	Others: 0.00
	Total Invoice Value: 2,380.00

Comments:

- 1)
- 2)
- 3)

I declare all information in this invoice to be true and correct.
Signature of shipper: YVETTE LAPOINTE

7/13/2015



ACI-530873483159

Commercial Invoice

Invoice Number	Purpose of Shipment	Curr	Ult Dest.	Air Waybill Nbr.
Export Dt	C.I. References	CAD	US	530873483159
7/13/2015	SH 46766	Pkgs	Bill T/C	Bill D/T/F
		1	2066-6353-7	
		BOX		

Shipper:	Consignee:
YVETTE LAPOINTE	Centennnial Flyers
ACORN WELDING LTD	Avtech Services
10916 -119 ST	1887 South 1800 West
EDMONTON	WOODS CROSS
AB T5H3P4 CA (780) 447-5955	UT 84087 US (801) 403-6522
ID/EIN:	ID/EIN:26-4325663

Broker	Importer
	Centennnial Flyers
	Avtech Services
	1887 South 1800 West
	WOODS CROSS
	UT 84087 US (801) 403-6522
	ID/EIN: 26-4325663

Part Nbr:0552113-13	Marks/Nbrs:	Cntry MFG:CA	Net Wgt:	0.00 lbs
HS Code: 8803.30.	Unit Qty: 1.00 EA	Unit Value:	Commodity Value:	2,380.00
		2,380.000000		

Desc: CIVIL AIRCRAFT PART- AIRCRAFT ENGINE COMPONENT MADE OF STAINLESS STEEL

Total Shipment Weight: 5	Total Commodity Value: 2380.00
	Terms of Sale: FCA
	Freight: 0.00
	Insurance: 0.00
	Others: 0.00
	Total Invoice Value: 2,380.00

Comments:

- 1)
- 2)
- 3)

I declare all information in this invoice to be true and correct.
Signature of shipper: YVETTE LAPOINTE

7/13/2015



PRECISION AIR-POWER

1593 W 2350 S Unit B

Woods Cross, Utah 84087 USA

Ph. 801-295-9100 Fax 801-295-9115

Email info@precisionairpower.com Web www.precisionairpower.com

FAA / CRS 8W3R798C

FINAL ACCEPTANCE SHEET

ENGINE and COMPONENT WORK SHEET and INSPECTION CHECK LIST

OWNER Sentenial Flyers

W/O 18364

DATE: 8/3/2016

ENGINE MODEL: O-320-E2D

SERIAL NO: RL-29133-27A

	MECH	INSP		MECH	INSP
CRANKSHAFT RUNOUT	<i>R</i>	<i>R</i>	ENGINE RUN IN	<i>R</i>	<i>R</i>
VISUAL INSPECTION	<i>R</i>	<i>R</i>	OIL PRESSURE	<i>R</i>	<i>R</i>
DIMENSIONAL INSPECTION	<i>R</i>	<i>R</i>	FUEL PRESSURE	<i>R</i>	<i>R</i>
MAGNAFLUX INSPECTION	<i>R</i>	<i>R</i>	OIL TEMPERATURE	<i>R</i>	<i>R</i>
ROD ALIGNMENT	<i>R</i>	<i>R</i>	CYL. HEAD TEMP	<i>R</i>	<i>R</i>
VALVE GRINDING & LAPPING	<i>R</i>	<i>R</i>	CRANKCASE PRESSURE	<i>R</i>	<i>R</i>
RING FITTING & LAPPING	<i>R</i>	<i>R</i>	FUEL CONSUMPTION	<i>R</i>	<i>R</i>
CYLINDER HONING	<i>R</i>	<i>R</i>	MAG CHECK	<i>R</i>	<i>R</i>
ASSY SUBASSEMBLY	<i>R</i>	<i>R</i>	PRESERVATION	<i>R</i>	<i>R</i>
VALVE TIMING	<i>R</i>	<i>R</i>	A. D. NOTES CHECKED	<i>R</i>	<i>R</i>
IGNITION TIMING	<i>R</i>	<i>R</i>	A. D. NOTES ACCOMPLISH	<i>R</i>	<i>R</i>
INDUCTION SYSTEM	<i>R</i>	<i>R</i>	SERVICE BULLETINS CHK'D	<i>R</i>	<i>R</i>
FINAL ASSEMBLY	<i>R</i>	<i>R</i>	SERVICE BULLETINS ACC.	<i>R</i>	<i>R</i>
RIGHT MAGNETO O. H.	<i>R</i>	<i>R</i>			
LEFT MAGNETO O. H.	<i>R</i>	<i>R</i>			
CARB or FUEL INJECT O. H.	<i>R</i>	<i>R</i>			
GENERATOR O. H.	<i>R</i>	<i>R</i>	PRELIMINARY INSPECTION	<i>R</i>	<i>R</i>
STARTER O. H.	<i>R</i>	<i>R</i>	HIDDEN DAMAGE INSPECTION	<i>R</i>	<i>R</i>
FUEL PUMP O. H.	<i>new</i>		IN PROGRESS INSPECTION	<i>R</i>	<i>R</i>
VACUUM PUMP O. H.	<i>N/A</i>		FINAL INSPECTION	<i>R</i>	<i>R</i>

FINAL INSPECTION SIG: *Don't sign again*



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CRS 8W3R798C

ENGINE SHOP WORK SHEET

WORK ORDER NO. 18364

DATE: 8/3/2016

CUSTOMER: Sentenial Flyers

MODEL: O-320-E2D

SERIAL NO: RL-29133-27A

Parts Description	Mechanic's Acceptance Signature:						Remarks
	Diss-assembly	Clean	Dimensions/Inspection	Visual Inspection	Sub Assembly	Final Assembly	
Crankcase							alignment checked
Crankshaft							Micro Skan 5054530
Camshaft							new Part
Connecting Rods							Rebuilt & aligned
Induction System							
Crankshaft Gear							475C
Camshaft Gear							
Magneto Drive Gears							
Accessory Gears							
Intake Valves							Replaced
Exhaust Valves							new Parts
Rocker Arms							Rebuilt & Replaced
Rocker Shafts							new Parts
Push Rods							
Valve Springs							Pressure checked
Pistons							new Parts
Piston Pins							new Parts
Oil Pump Gears							new Parts
Cylinder #1							all Cyls new Rods & Guides Nickel Bores
Cylinder #2							
Cylinder #3							
Cylinder #4							
Cylinder #5							
Cylinder #6							
Cylinder #7							
Cylinder #8							
Lifters							new Parts
CYLINDER REWORK							
	Hone	Grind Seats	Reface Valve	Lap Valves	Intake Spring	Exhaust Spring	Rod Align
Cylinder #1							
Cylinder #2							
Cylinder #3							
Cylinder #4							
Cylinder #5							
Cylinder #6							
Cylinder #7							
Cylinder #8							



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FAA / CRS 8W3R798C

ENGINE SHOP WORK SHEET MAGNAFLUX - REPORT

DATE: 8/3/2016

WORK ORDER: 18364

OWNER: Sentenial Flyers

INSPECTOR: *[Signature]*

ENGINE MODEL: O-320-E2D

SERIAL NO: RL-29133-27A

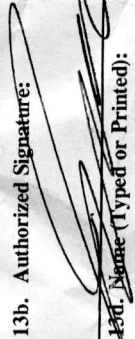
CYL NO	VALES		ROCKER ARMS		ROCKER SHAFTS		PISTON PINS	CONN ROD	CRANKSHAFT	
	IN	EX	IN	EX	IN	EX				
1	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	CAMSHAFT	<i>[Signature]</i>
2	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	CRANKSHAFT GEAR	<i>[Signature]</i>
3	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	CAMSHAFT GEAR	<i>[Signature]</i>
4	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	MAGNETO DRIVE GEARS	<i>[Signature]</i>
5									ACCESSORY GEARS	<i>[Signature]</i>
6									STARTER DRIVE GEARS	N/A
7									PROPELLER SHAFT	N/A
8									THRU BOLTS	<i>[Signature]</i>

		DYE - CHECK and ZYGLO REPORT	
REDUCTION GEAR ASSY	N/A	CYLINDERS	
		1	2
PINION CAGE ASSY	N/A	<i>[Signature]</i>	<i>[Signature]</i>
DRIVE GEARS	N/A	<i>[Signature]</i>	<i>[Signature]</i>
PINION GEARS	N/A	<i>[Signature]</i>	<i>[Signature]</i>
PLANETARY GEARS	N/A	<i>[Signature]</i>	<i>[Signature]</i>
		5	<i>[Signature]</i>
		6	<i>[Signature]</i>
		7	<i>[Signature]</i>
		8	<i>[Signature]</i>

INSPECTORS SIG:

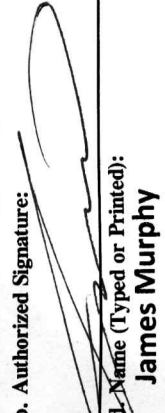
[Signature]

N14540 3191.3 2/8/23

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: H-X011039	
4. Organization Name and Address: HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY., MONTGOMERY, AL 36108 PQ1383CE-D					
6. Item:	7. Description:	8. Part Number:	9.	10. Quantity:	11. Serial Number:
1	STARTER **** END ****	149NL		1	H-X011039
12. Remarks: AIRWORTHINESS APPROVAL- PARTS FOR PMA ELIGIBILITY SEE WWW.HARTZELL.AERO/PMA/					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:  13d. Name (Typed or Printed): James Murphy			14b. Authorized Signature: 14c. Approval/Certificate No.:		
13c. Approval/Authorization No.: ODA-100082-CE			14d. Name (Typed or Printed): 14e. Date (dd/mm/yyyy): 12/Jan/2023		
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.					
Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

N145421 06/05/2025 Tach: 3479.9

R/H magnet

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: H-Z051553	
4. Organization Name and Address: HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY., MONTGOMERY, AL 36108 (1HZR769B)						
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	MAGNETO	4370	1	H-Z051553	OVERHAUL	
12. Remarks: COPD OF WORK ORDER AVAILABLE ON REQUEST FROM HARTZELL ENGINE TECHNOLOGIES CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER EASA.145.4418 THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES IDENTIFIED AS MOD/NO & ORIG. MFG. COMPLIES WITH PPS-9001 LATEST REVISION. THE FOLLOWING SERVICE BULLETINS & AD NOTES HAVE BEEN COMPLIED WITH ON ITEM 1: SB3-08B, SBI-12, SBI-07, SBI-15A, SB2-08B OVERHAULED IN ACCORDANCE TO HET-3000-RS-1-9-2023						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No: 1HZR769B		
				14d. Date (dd/mm/yyyy): 15/May/2025		
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						