

# AIRCRAFT MAINTENANCE RECORDS

**N** 414SE right

# ENGINE LOG BOOK



# AIRCRAFT MAINTENANCE RECORD

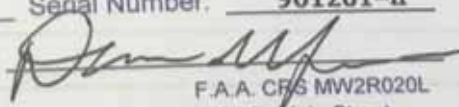
Page No. \_\_\_\_\_

**Date** \_\_\_\_\_ **WORK** \_\_\_\_\_

**CARRIED FORWARD**

The aircraft and or component identified below was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order Number: 71897

Engine Model TS10-520-NB Serial Number: 901261-H

Date: 11/01/2016 Signed: 



F.A.A. CFS MW2R020L  
1701 E. Main Street  
Griffith, IN 46319  
(219)924-7110

11/02/16 10:17:56 DISASSEMBLED, CLEANED, INSPECTED, REPAIRED PAGE 1  
AS NEEDED, REASSEMBLED & DYNO TESTED  
USING THE FOLLOWING PARTS:

Item Num.	Item Description	Quantity
AA48109	Oil Filter	1
CN110	Ring Set	4
CRANK-6R	6-Cylinder Crankshaft	1
EQ7002	Camshaft Kit	1
MS9970-116	O Ring	1
MS9970-117	O Ring	2
NAS1805-4	Nut-Selflocking	1
O-PARTS	631056al-S O.P Cover Serviceble	2
O-PARTS	641742-S Gear Serviceable	3
O-PARTS	631972-S Clamps Serviceable	1
O-PARTS	NAS42DD8-16-S Spacer Serviceal	6
RG-534857	Gasket	1
R658440A1	Adapter Starter Rebuilt	6
SA520129	Bushing	14
2441	Nut	16
24802	Lock	8
350998	Bushing **	6
530658	Bushing	1
535908	Gear	4
536388-.62	Clamp	4
536388-.75	Clamp	1
536563	Dowel	12
539058	Washer	12
539058	Washer	1
628555-42	Hose	16
629104	Ring	2
629163-5	Clamp	1
629680M010	Collar Asm Oil Transfer	6
630046	Pin & Plug	12
630979-9	O Ring	1
632224	Baffle	1
632977-R	Shaft Housing - Reconditioned	1
633189	Plug	6
633958-3	Seal **	4
636242P020	Guide Valve	1
636900-R	Oil Cooler - Reconditioned	16
639193	Bushing	6
640612	Washer Flat	1
641250	Seal **	2
641909	Tablock	12
642398M010	Bearing	2
643626-103	Pin	2
643626-104	Pin	4
643626-105	Pin	16
643629	Plate	6
646476-R	Connecting Rods Recondition	1
646550A1	Gasket Set	1
646592A2M010	Bearing Set	

Continued 7

**SUB-TOTAL THIS PAGE**

**TOTAL - CARRY FORWARD TO NEXT PAGE**

Date	Total Time	DESCRIPTION OF WORK PERFORMED																																																						
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		<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th style="width: 15%;">Item Num.</th> <th style="width: 60%;">Item Description</th> <th style="width: 25%;">Quantity</th> </tr> </thead> <tbody> <tr><td>646605</td><td>Nut</td><td>6</td></tr> <tr><td>646985</td><td>Seal</td><td>4</td></tr> <tr><td>649205</td><td>Bolts</td><td>4</td></tr> <tr><td>652129</td><td>Rocker Bushing</td><td>6</td></tr> <tr><td>652422</td><td>Nut</td><td>40</td></tr> <tr><td>652984</td><td>Rocker Shaft</td><td>12</td></tr> <tr><td>653359</td><td>Coupling</td><td>1</td></tr> <tr><td>653470</td><td>Gasket</td><td>1</td></tr> <tr><td>654490</td><td>Nut</td><td>12</td></tr> <tr><td>654587-.44</td><td>Cam bolt</td><td>4</td></tr> <tr><td>654840</td><td>Piston</td><td>4</td></tr> <tr><td>655269</td><td>Bushing</td><td>4</td></tr> <tr><td>655771</td><td>Exhaust Valve</td><td>4</td></tr> <tr><td>655961</td><td>Bolt Connecting</td><td>12</td></tr> <tr><td>656990</td><td>Screw.312</td><td>6</td></tr> <tr><td>656991</td><td>Gear</td><td>1</td></tr> <tr><td>658552A2</td><td>Cylinder Kit</td><td>2</td></tr> </tbody> </table> <p align="center">* * * E N D O F R E P O R T * * *</p>	Item Num.	Item Description	Quantity	646605	Nut	6	646985	Seal	4	649205	Bolts	4	652129	Rocker Bushing	6	652422	Nut	40	652984	Rocker Shaft	12	653359	Coupling	1	653470	Gasket	1	654490	Nut	12	654587-.44	Cam bolt	4	654840	Piston	4	655269	Bushing	4	655771	Exhaust Valve	4	655961	Bolt Connecting	12	656990	Screw.312	6	656991	Gear	1	658552A2	Cylinder Kit	2
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## SEMO Aviation Services LLC

Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573)714-6385

**Right Engine**  
**Continental IO-520-NB**  
**Hobbs: 1185.6**  
**SMOH: 773.4**  
**Total Time: 3733.6**

**N414SE**  
**S/N: 901261-H**  
**Date: 12/2/2016**

Drained oil, removed and inspected oil filter. Significant metal found. Removed engine and sent to G&N Aircraft for repair on 6/27/2016. Received and reinstalled engine after repair, and serviced engine with 12 quarts of Phillips 20W50 oil. Removed CHT temp probe p/n: 102-00007. Installed new CHT temp probe p/n: 102-00007 s/n: 45259. Cleaned all fuel injection nozzles. Inspected fuel manifold valve. No defects noted. Checked exhaust system for leaks. None found. Adjusted magneto to engine timing i/a/w TCM MSB94-8A. Checked all engine controls for full travel, security, and lubricated. Other inspections done i/a/w Cessna 414 annual inspection report and FAR 43 Appendix D. Run up and operational check OK. No leaks found. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

Dustin Ramsey A&P 3329376 IA.

	<b>SUB-TOTAL THIS PAGE</b>
	<b>TOTAL - CARRY FORWARD TO NEXT PAGE</b>

# AIRCRAFT MAINTENANCE RECORD

Page No. \_\_\_\_\_

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
<b>CARRIED FORWARD</b> →		

## OZARK AIRCRAFT MAINTENANCE LLC

*Cape Girardeau Regional Airport  
Cape Girardeau MO 63701*

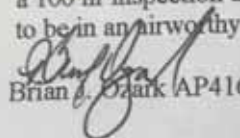
March 20, 2018 N414SE Cessna 414 S/N414-0542

Tach 1294.7 Total Time 3885.8 TSOH 882.5

Continental TSIO-520-NB S/N 901261-H (RH)

On this date drained oil and inspected filter. Added 10 qts Aeroshell W100 oil and 1 AA48108 filter. Took oil sample. Tested ignition leads. Replaced all spark plugs with new. Performed compression check; 1. 73/80 2. 72/80 3. 71/80 4. 72/80 5. 72/80 6. 70/80. Checked magneto timing. Cleaned fuel filter. Installed all new URHB32E spark plugs. Lubricated engine controls. Repaired loose baffle at #6 cylinder. Washed and Ground ran engine no leaks noted

I certify that this engine has been inspected IAW With FAR 43 App (d) a 100 hr inspection and was determined to be in an airworthy condition

  
Brian J. Ozark AP41640790

## OZARK AIRCRAFT MAINTENANCE LLC

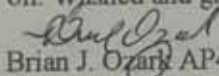
*Cape Girardeau Regional Airport  
Cape Girardeau MO 63701*

December 26, 2018 N414SE Cessna 414 S/N414-0542

Tach 1347.7 Total Time 3938.8 TSOH 935.5

Continental TSIO-520-NB S/N 901261-H (RH)

On this date drained oil and inspected filter installed new AA48108 filter. Added 10 qts Aeroshell W100 oil. Washed and ground ran, leaked checked no leaks noted.

  
Brian J. Ozark AP41640790


	<b>SUB-TOTAL THIS PAGE</b>
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OZARK AIRCRAFT MAINTENANCE LLC

Cape Girardeau Regional Airport

Cape Girardeau MO 63701

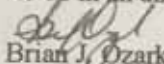
April 10, 2019 N414SE Cessna 414 S/N414-0542

Tach 1377.2 Total Time 3968.3 TSOH 965.0

Continental TSIO-520-NB S/N 901261-H (RH)

On this date drained oil and inspected filter. Added 10 qts Aeroshell W100 oil and 1 AA48108 filter. Took oil sample. Tested ignition leads. Cleaned gapped and tested all spark plugs. Performed compression check; 1. 70/80 2. 71/80 3. 71/80 4. 68/80 5. 70/80 6. 768/80. Checked magneto timing. Cleaned fuel filter. Lubricated engine controls. Washed and Ground ran engine no leaks noted.

I certify that this engine has been inspected IAW With FAR 43 App (d) a 100 hr inspection and was determined to be in an airworthy condition

  
Brian J. Ozark AP41640790

CA  
FOR

OZARK AIRCRAFT MAINTENANCE LLC

Cape Girardeau Regional Airport

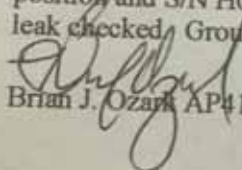
Cape Girardeau MO 63701

September 18, 2019 N414SE Cessna 414 S/N414-0542

Tach 1410.4 Total Time 4001.5 TSOH 998.2

Continental TSIO-520-NB S/N 901261-H (RH)

On this date drained oil and inspected filter. Added 10 qts Aeroshell W100 oil and 1 AA48108 filter. Took oil sample. Removed magnetos and installed overhauled magneto P/N 6320 S/N H06742 left position and S/N H06742 right position and timed to 21 degrees BTC. Torqued #4 fuel injector line and leak checked. Ground ran engine magneto drop normal no leaks noted.

  
Brian J. Ozark AP41640790

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