

ENGINE MODEL:  
TSIO-520-R  
ENGINE S/N: 293644-R  
REG. NO: 1631X  
WORK ORDER: 6138



Tennessee Aircraft Services, Inc.

DATE: 05 April, 2013  
A/C TSN: 8377.8  
ENG TT: 892.6  
TSMOH:  
TACH: 8377.8

### Engine Entries

- Performed 100 hour inspection with reference to FAR 43 appendix D.
- Compressions: #1/76, #2/72, #3/76, #4/72, #5/76, #6/72. Master orifice is 42/80.
- Performed boroscope inspection of cylinders and exhaust valves. No discrepancies noted.
- Spark plugs removed, cleaned, resistance checked, inspected, gapped, function checked and reinstalled with new gaskets p/n AN4017-2.
- Drained oil sump and took sample for analysis. Removed filter and opened for inspection with no discrepancies noted. Reinstalled drain plug with new gasket p/n MS35769-18. Serviced engine with 10 quarts of Aeroshell W100 and installed a new filter p/n AA48110-2. Engine ground check run satisfactory.
- Fuel control inlet screen removed, inspected, cleaned and reinstalled. Leak checked satisfactory.
- Pressure checked exhaust system with no defects noted.
- Installed new Helicoil thread repair for oil cooler lower center stud mount. Reinstalled adapter and oil cooler with new gaskets.
- Installed new #3 cylinder push rod seals p/n 534610, p/n 630286 and gasket p/n 655528.
- Repositioned fuel control inlet fitting to prevent chaffing after tensioning alternator belt.
- Checked and torqued all turbo waste gate banjo fittings and hoses. No leaks noted on post maintenance run.
- Installed grommet on fuel vapor return line to prevent chaffing on baffle.
- Installed new #6 cylinder spark plug p/n URHB32E.
- Installed magnetos after 500 hour magneto inspection/repair left p/n 6320 s/n 05030427 and right p/n 6320 s/n 08101396, and timed to engine at 22 degrees BTDC per engine data plate. See FAA CRS #QYIR334Y work orders #WO1170007700.002 Left and #WO1170007700.001 Right for details of magneto repairs.
- Work performed by Doug Kail, David Carter, Joe Norris, and Paul New.

I certify this aircraft has been inspected in accordance with an Annual Inspection and found airworthy.

DATE: 05 April, 2013

SIGNED: [Redacted Signature]

Work Order: 6138

David Carter, IA [Redacted Name]

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ENGINE MODEL:  
TSIO-520-R  
ENGINE S/N: 293644-R  
REG. NO: 1631X  
WORK ORDER: 6429



Tennessee Aircraft Services, Inc.

DATE: 10 January, 2014  
A/C TSN: 8625.3  
ENG TT: 1140.1  
TSMOH:  
TACH: 8625.3

### Engine Entries

- Fuel injector nozzles removed, cleaned, inspected and reinstalled with new seals.
- See FAA CRS #JUJR300L work orders #J133511, #J133512 7 #J133513 for details of cylinder repairs. Reinstalled repaired cylinders #2, #3, & #6 with new seals and gaskets. Work performed in accordance with CMI TSIO-550 Service Manual.
- Drained oil sump and removed oil filter for inspection with no discrepancies noted. Installed new filter p/n AA48108-2 and serviced engine with 12 quarts of Aeroshell 80.
- Installed overhauled fuel flow divider p/n 634326-4A15 s/n G139204CR. See FAA CRS #HK2R875K work order 26297 for overhaul details. Leak checked and ground run satisfactory.
- Work performed by Joe Norris and Robert Batterman.

DATE: 10 January, 2014

SIGNED: 

Work Order: 6429

Robert Batterman, IA: 

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MAKE: Cessna  
MODEL: T210I  
S/N: 21060667  
REG. NO: 1631X  
WORK ORDER: 6429



Tennessee Aircraft Services, Inc.

DATE: 10 January, 2014  
A/C TSN: 8625.3  
TACH: 8625.3

### Airframe Entries

- Installed new aux tank fuel delivery check valve p/n S2218-1 in right wing tank.
- Fabricated replacement right wing inboard fuel bay access panel using same material as original and installed with CS3330 sealant and new hardware.
- Installed a serviceable lower right front engine mount half p/n J12454-1 with new lock tab p/n 0851559-1.
- Work performed by Robert Batterman and Paul New.

DATE: 10 January, 2014

SIGNED: 

Work Order: 6429

Paul New, IA: 

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RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

**N#: 1631X DATE: 4/3/2014 MAKE: TCM MODEL: TSIO-520-R  
S/N: 293644-R TACH: 8699.9 ETT: 4186.6 SMOH: 1218.6**

**DRAINED OIL & INSTALLED NEW OIL FILTER, P/N: CH48108-1. SERVICED WITH 9qts. AEROSHELL W100. C/W AD71-09-07R1, EFF: 11/26/86, PARA (a)(i)(ii)(iii), DUE AGAIN @ 8749.9(T). C/W AD96-12-22, EFF: 7/31/96, PARA (2), DUE AGAIN @ OIL FILTER R&R. CLEANED ENGINE, PERFORMED GND RUN, OPS NORMAL, NO LEAKS NOTED.**

**Is Airworthy With Respect To  
Work Performed**

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