

DATE

TOTAL
TIME
IN
SERVICEVICTORY LANE
AVIATION

9200-B Aviation Blvd, Concord, NC 28027

Page No. _____

DATE: 01/03/2017 REG: N20835 MAKE: MOONEY MODEL: M20R
SN: 29-0214 HOBBS: 18.8 ACTT: Unk

Drained engine oil. Removed, cut open, and inspected spin on oil filter. Installed new Tempest Oil Filter AA 48109 filled crankcase with (8) quarts of **Phillips 20W-50 engine oil**. Ground run engine to check for leaks and proper operation. No further discrepancies noted. -END-

Alistair Coyte

A&P

Date: 02FEB2017

SMOH:54.4
TACH: 54.5
29-0214

Drained oil and replenished with Phillips XC20W50. Replaced oil filter with CH48109. Cut open old filter and inspected media, no abnormalities noted at this time. Accomplished ground run, run up and leak check good. Re-installed engine cowling.

N20835

Glen MacDermid
AP

Date: 20MAR2017

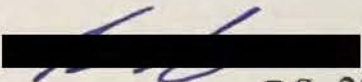
SMOH:91.8
Hobbs: 91.8
679456
29-0214

Removed and replaced starter adapter pn R-643087A69 sn B28559. Drained oil and replenished with Phillips XC20W50. Replaced oil filter with CH48109. Cut open old filter and inspected media, no abnormalities noted at this time. Accomplished ground run, run up and leak check good. Re-installed engine cowling.

N20835

Glen MacDermid
AP

649364-4A1, Metering Valve P/N 63333-1, and
NK2R034L; WO 33172. Engine assembled with all new gaskets and seals. Engine was assembled in
accordance with the manufacturer's parts and overhaul manuals and current regulations of the Federal
Aviation Administration. AD 04-08-10 N/A, 99-19-01 N/A, 98-01-08 N/A, 96-12-22 N/A, 95-03-14 N/A
by model, 86-13-04R3 N/A by S/N.


Aero Engines RS 27WR209B



N20835

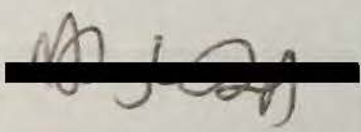
Hobbs: 1719.6

SMOH: 1719.6

10DEC2016

Removed IO-550G and shipped to Aero Engines of Winchester 18NOV2016. Installed Overhauled TCM IO-550-G (6) s/
679456 in reference to Mooney M20 Aircraft Maintenance Manual. Engine overhauled by Aero Engines of Winchester R
27WR209B, See their log book entry dated 11/29/2016. Reinstalled Overhauled Propeller Governor C290D3M/T45 s/n
991410. Overhauled by New England Propeller Service see their work order CR-43129 dated 11/18/16 for details.

Installed new vacuum pump & canister filter

Glenn MacDermod

AP

SUB-TOTALS this page

TOTALS

TOTALS brought forward from previous page

Aero ENGINES

OF WINCHESTER, INC.
615 AIRPORT ROAD #109 • WINCHESTER, VA 22602
(540) 678-1661

11-29-2016

Engine Model: IO-550-G (6)

S/N: 679456

TSMOH: 0 hrs

Engine disassembled, cleaned, and inspected at this time for Major Overhaul. All internal steel parts were magnaflux or visually inspected. All non-ferrous parts were visually or Zyglo inspected. Installed Camshaft from Rick Romans RS# BE2R713K; WO 51122. Installed new Bearings P/N SA642398M10 and Roller Bearings 630899. Installed new HYD Lifters SA646277. Installed new Crankshaft Seal P/N SA641250. Installed new Gasket Set SA646550-A1. Installed Six New Continental Cylinder Assemblies P/N 658603A5BP, S/N's AC16CA427, AC16CA433, AC16CA464, AC16CA192, AC16CA451, and AC16CA466, complete with new valves, pistons, rings, and pins. Installed K6320 Mag kit including new mags, plugs and harness. Installed New Sky Tec Starter P/N C24ST5, S/N 4C5-251404 and installed rebuilt Starter Adapter from Continental Motors P/N R-642087A69. Installed Overhauled Fuel Pump P/N 649364-4A1, Metering Valve P/N 653353-1, and Fuel Manifold P/N 646433-3A1 by D&G Supply RS# NK2R034L; WO 33172. Engine assembled with all new gaskets and seals. Engine was assembled in accordance with the manufacturer's parts and overhaul manuals and current regulations of the Federal Aviation Administration. AD 04-08-10 N/A, 99-19-01 N/A, 98-01-08 N/A, 96-12-22 N/A, 95-03-14 N/A by model, 86-13-04R3 N/A by S/N.

Aero Engines RS 27WR209B

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

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N20835

TTE: 3539.8

Hobbs: 1703.1

SMOH: 1705.1

01OCT2016

Accomplished 100 hr inspection IAW Mooney service instructions and within the scope and detail of FAR 43(d). Drained oil and replenished with 8 Quarts of Phillips XC20W50. Removed and replaced oil filter AA48109, Cut open old filter and inspected media, no abnormalities noted at this time. Removed and replaced all 12 spark plugs with RHB32E. Accomplished compression check #1 58/80 #2 57/80 #3 65/80 #4 48/80 #5 52/80 #6 68/80. Master Orifice; 44. Fabricated 3 pieces of baffling, 2024T3 .040 and installed, Installed all new baffle seal using cowl saver seal from McFarlane. Serviced induction filter CPE1179. Inspected all lines and hoses. Lubricated all engine controls and checked for proper operation. Inspected exhaust system, Installed overhauled/repaired Exhaust header Assy RH M-20R (p/n 630082-502) & LH M-20R/S (p/n 630082-501) From Acorn welding. Reference to Mooney Maintenance Manual Chapter 78. Ground ran engine. Engine run up and leak checks satisfactory. Checked all ADs through ATP as of 01OCT2016. AD2016-16-12 ECi cylinders is N/A cylinders are not installed. I certify this engine has been inspected IAW a 100 hr inspection and was found to be in airworthy condition at this time.

Glenn MacDermod
 [Redacted] AP

[Handwritten Signature]



N20835

Hobbs: 1719.0

SMOH: 1719.0

28OCT2016