

D/

Engine L

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N419BC  
HOBBS: 3598.3Lycoming, IO-540-AA1A5 MM, S/N: L-21846-48A  
TSOH: 1484.6

November 28, 2023

**MARTIN AVIATION****ATA 72 ENGINE**

1. Performed compression check results as follows: #1 65 #2 65 #3 74 #4 72 #5 76 #6 65
2. Installed all new sparkplugs p/n RHB32E
3. Installed all new rubber engine mount assemblies p/n 94011-01 using all new hardware
4. Removed air inlet housing, disassembled, cleaned, inspected and reassembled using new door spring p/n 920028-001
5. Reinstalled air inlet housing
6. Installed all new hoses in "no mans land" behind firewall

**ATA 73 ENGINE FUEL AND CONTROLS**

1. Installed all new fuel and fuel control hoses
2. Installed all new hoses p/n LW18737 on fuel injector vent assemblies
3. Removed, cleaned, inspected and reinstalled fuel injector nozzles
4. Installed new fuel injector vent assembly p/n 65-10002-502 in the inboard position
5. Installed overhauled flow divider p/n 2524232-2 s/n 464G overhauled by Precision Airmotive LLC CRS# P32R748N W.O.# 1134K
6. Installed overhauled fuel pump p/n RG9080J4A/M s/n D-2106 overhauled by Aircraft Accessories of Oklahoma CRS# RV3R829L W.O.# 57718
7. C/W AD 2015-19-07 (fuel injector lines) by visual inspection - no defects noted - NEXT DUE 6398.3 HOBBS OR NOV 2024

**ATA 74 IGNITION**

1. Removed left and right magnetos for repairs
2. Installed repaired magneto p/n BL349290-1 s/n F18JA023R repaired by Aircraft Accessories of Oklahoma CRS # RV3R829L W.O.# 44715 in the left position and timed
3. Installed repaired magneto p/n 10-349310-1 s/n A238912FR repaired by Aircraft Accessories of Oklahoma CRS # RV3R829L W.O.# 44717 in the right position and timed
4. Installed new p-lead wire from pressure vessel to right magneto

**ATA 76 ENGINE CONTROLS**

1. Checked engine controls for operation and full travel and lubricated
2. Rigged alternate air door controls as required

**ATA 77 ENGINE INDICATING**

1. Installed all new oil, manifold and fuel pressure hoses

**ATA 79 OIL**

1. Drained oil and serviced with Aeroshell oil W100
2. Removed old filter and inspected -ok-
3. Installed new oil filter p/n AA110-2
4. Installed all new oil hoses
5. Pre-oiled engine and turbochargers before ground run check

**ATA 80 STARTING**

1. Installed new starter p/n 149NL/EC s/n H-X012083

**ATA 81 TURBINES**

1. Checked turbocharger v-band clamps for proper torque
2. Installed serviceable wastegate actuator
3. Adjusted waste gate control system IAW Machen document 65-1
4. Installed new turbocharger compressor hoses p/n 920029-589 and p/n 98-10002-001

Ground run and leak check -ok -

With respect to the work performed, this engine is approved for return to service.

Steve Martin AP/IA 3492959 

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