

Federal Oversight for N51033 engine on July 17, 2020.

Inspector Aaron deVogel out of the Nashville, TN FSDO provided oversight of a 100 hour inspection on engine serial number 1345-9-A. The data tag on this aircraft only had a serial number. No other information was provided.



All spark plugs were bench tested and functioned properly.



A compression check was conducted on each cylinder. Air was applied to 80 PSI. The #2 cylinder leaked air through the intake. The compression read 10/80 PSI. The intake and exhaust valve moved as the prop was rotated. The #2 cylinder was bore scoped. No defects were noted on the piston or valves.

#2 Cylinder



Valves



Intake



The magnetos were melted and could not be tested for function

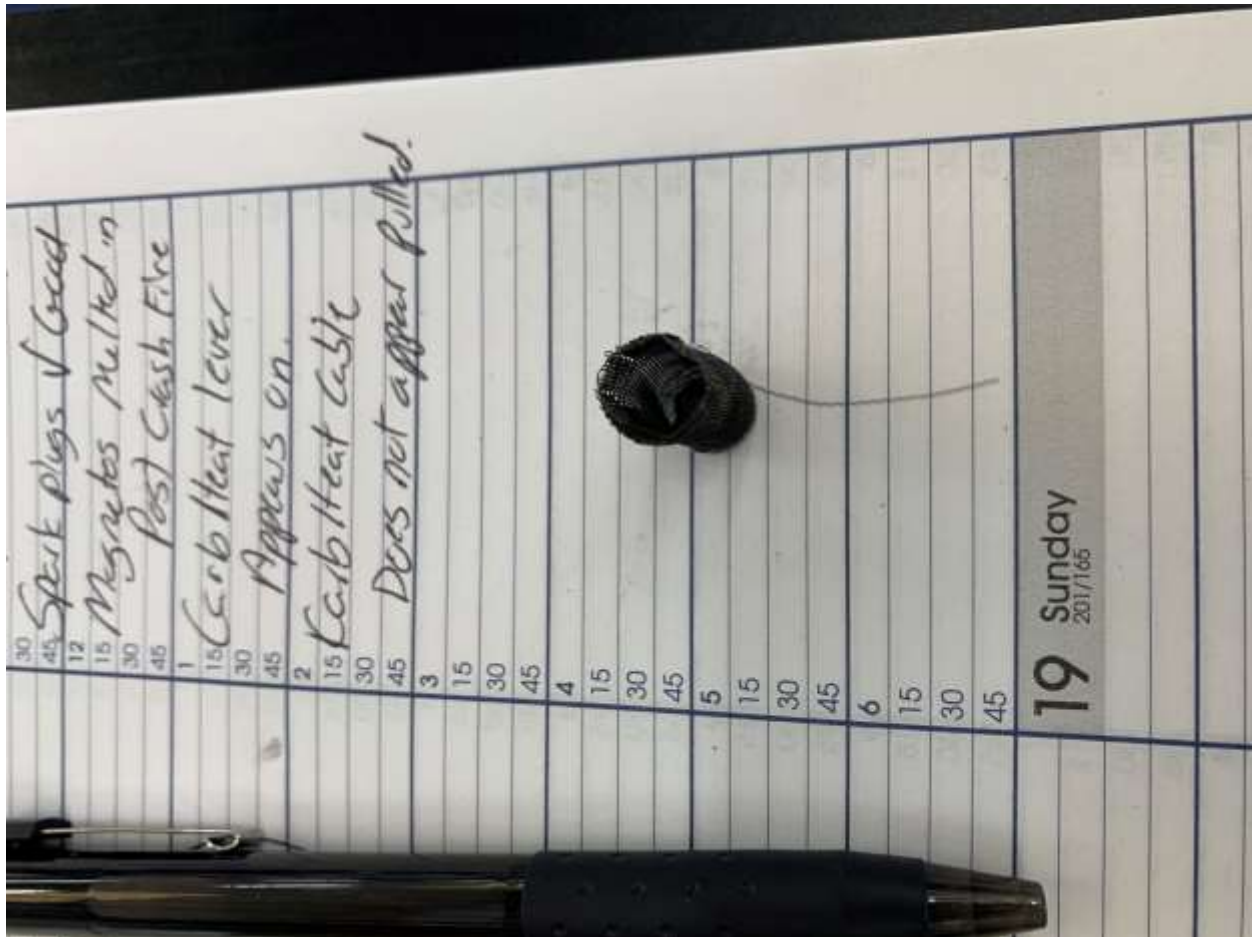


The Carb heat appeared to be on. However, the carb heat cable was in the off position.

Note: The carb heat cable was cut to assist checking the movement of the lever.



The carb fuel screen did not show contaminants.



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Aaron
deVogel

Digitally signed by
Aaron deVogel
Date: 2020.07.21
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The oil filter was cut open. The filter showed ash but did not show any metal flakes.

No Picture.

The #2 cylinder was bore scoped. The piston and valves did not show anything obvious.