



NTSB MEMORANDUM FOR RECORD

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National Transportation Safety Board

Date: 3/26/2019
NTSB Accident Number: ERA18TA222

Narrative:

The following record is a summary of an inspection completed by an airframe and powerplant, with inspection authorization, mechanic, Mr. Bill Siegal. He examined the airplane on August 29th, 2018:

No contaminants were found in the fuel system, about 16 gallons of fuel was drained from the main fuel tanks. The gascolator screen was clear. Seven quarts of clean oil was measured on the dip stick. The spark plugs displayed normal combustion signatures. An inspection camera looking at the piston and cylinder wall surfaces did not reveal any damage. A leak down test found the #3 cylinder was reading 10/80, all others were within normal specifications.

The #3 cylinder was removed, and the intake valve was removed from the cylinder. The presence of deposits on the upper part of the stem in the valve guide contact area was observed. The valve did not exhibit a tendency to stick when moving it by hand, but there was minimal stem to guide wobble when tested.

The cylinder was disassembled and removed from the engine, and the valve and seat were cleaned. The deposits were found to be hard and very attached. The cylinder was reassembled on the engine. A leak down test was performed with the result of 78/80.