



RECORD OF EXAMINATION

Mitchell Gallo
Aviation Accident Investigator
Central Region

NTSB Accident Number: CEN21LA138
Persons: Gregory Thurston, FAA Aviation Safety Inspector, MSP FSDO
Date: March 23, 2021

Narrative:

Gregory Thurston stated there was a significant amount of oil found on belly of aircraft originating directly aft of the engine crankcase breather vent tube following belly back to the tail. There was a hole in the engine crankcase between cylinders #2 and #5. The #2 connecting rod was protruding through crankcase with scoring indicating oil starvation. There was a large amount of oil present on inside of top cowl.

The inside and outside of the bottom engine cowling was dry, no sign of oil. The firewall was dry and there was no sign of oil. The engine mount tube was broken on left side of engine near firewall.

There was a NAPA auto parts belt installed on the generator.

There was a newer Acorn Welding exhaust system.

The exhaust system was removed and inspected for oil inside, none noted.

The wet vacuum pump inspected; no discrepancies were noted. The pump vent tube showed no signs of oil inside.

The crankcase breather tube was removed for inspection. The tube had oil inside of it. The breather tube whistle slot/vent was located three inches from the bottom of the tube. No visible part number was on the tube. The tube had a patch welded on it from a previous repair.

There was a small amount of oil found around the crankshaft oil seal, and it appeared to have had a slight leak.

There was no airworthiness certificate or registration inside the aircraft.

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