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Subject:

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CEN21LA367 - Examination Notes (Photos to be sent via Kiteworks)

Date:

Wednesday, October 13, 2021 2:14:01 PM

Hello Craig,

Field Notes on today's examination of N997EM; Pulsar Sport 150; S/N: 603

Visual Examination:

1. Photos of airframe and engine (Continental O-200-A) – left and right wings removed/separated
2. 1 control lead of the electric magneto was pulled/separated from the control plug – see photo
3. Carburetor broken/separated above throttle valve (impact damaged), remained attached via engine control cables and fuel line
4. Fuel selector in RIGHT tank position
5. #4 cylinder intake tube did not contain a gasket (no leakage noted)
6. Both wooded propeller blades fractured about mid-span – no leading edge damage noted
7. HOBBS: 306.2
8. Battery remained connected – fuel pump activated when switched ON

Examination/Disassembly:

1. Cylinder rocker covers removed – residual oil noted at bottom of valves
2. Spark plugs removed and photographed – normal deposits noted – lower plugs contained residual oil
3. Propeller assembly rotated by hand
4. Mechanical continuity noted throughout the engine – forward to accessories
5. Spark, impulse magneto, noted on the four top ignition leads
6. No spark noted from E-Mag
7. E-Mag removed for further examination
8. Carburetor removed and disassembled. No issued noted and no residual fuel in bowl.
9. Compression check on cylinders: #1 – 60; #2 – 70; #3 – 74; #4 – 51
10. Air applied to wing fuel line fittings – continuity and no obstructions noted in fuel lines to fuel selector to carburetor – both left and right fuel lines contained an undocumented amount of residual fuel, consistent with 100LL.

****Examination photographs sent via Kiteworks****

END

Best,

Aaron

NTSB

