

Inspector's Report

James Wirt
Will Rogers FSDO
Oklahoma City, OK
01/29/2024
73108

N48PS
Superior Air Parts
Model: O-360-B1C2, SN: 05708

Witness stated he heard but didn't see the aircraft "popping and backfiring. When the witness arrived at the aircraft the pilot was already out of the aircraft.

Overall condition of the aircraft engine was good. The engine mount, all engine parts were accounted for and in good condition. The only discrepancy was the #1 electronic mag lead was loose and detached from the ignition coil when the lead was touched. Also, the coil package mount bolt was loose, allowing the coil package to vibrate during operation.

The engine was rotated easily and smooth. The valve train rotated properly. A THUMB compression found all cylinders had good equal pressure.

The left mag was a slick and worked the lower sparkplugs. The right mag was an electronic system and worked the top plugs. The top sparkplugs were automotive and the bottom were aviation sparkplugs. The Slick mag was tested and all bottom sparkplugs were firing.

The #1 sparkplug had some oil on it, but the sparkplug was not fouled. All other top and bottom plugs looked good.

Induction, exhaust and accessories all in good condition and properly mounted.

The carburetor throttle arm was actuated, the accelerator pump work and fuel dripped out of the carburetor.

Only two discrepancies were noted. The #1 electronic mag lead was loose and detached from the ignition coil when the lead was touched and the coil package mount bolt was loose, allowing the coil package to vibrate during operation. See attached photo.

JAMES
LEO WIRT

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JAMES LEO WIRT
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