

ERA18LA096

Edgewater, FL

March 15, 2018

0900 EDT

Piper PA-28-140, N6764W

NTSB EXAMINATION NOTES

**Daniel Boggs
Air Safety Investigator
National Transportation Safety Board
Ashburn, VA**

**Damian Galbraith
Air Safety Investigator
Piper Aircraft
Vero Beach, FL**

**Mike Childers
Air Safety Investigator
Lycoming Engines
Atlanta, GA**

Engine Exam: Lycoming O-320, 160 hp.

IIC: Heidi Kemner

Visual Exam,

The airplane was on a trailer when first observed. (photo 1). The airplane contacted trees and then terrain in a nose down attitude. The spinner dome, engine and firewall were all pushed into the instrument panel. The propeller exhibited rotational scoring.



Photo 1, airplane on the trailer as received.

The engine was uncowled and appeared to be intact. The top spark plugs were removed to facilitate boroscoping with a lighted boroscope. The top spark plugs exhibited dark gray coloration and worn “normal” condition when compared to the Champion Check-A-Plug Chart. No anomalies were noted during the boroscope examination. Thumb compression was established on all four cylinders and valve train continuity was confirmed through the engine and accessories. (Photo 2). The carburetor inlet screen and the main fuel strainer were examined and free of debris.



Photo 2, engine.

The engine was removed from the airplane and suspended by a forklift for further examination. The rocker arm covers were removed, and all accessories were removed for examination. (Photo 3) The magnetos were turned by hand and spark was observed from all leads. There was about 4.5 quarts of oil in the engine. The oil suction screen was free of debris. The oil filter was impact separated from the engine.



Photo 3, engine suspended

There were no anomalies noted that would have resulted in a loss of engine power.

The airframe was also examined, and cable continuity was established for all flight controls. Some of the wing cables were cut to facilitate loading the airplane on a trailer; however, the cables could be verified through visual exam.

There were no airframe anomalies noted during the exam.