



MEMORANDUM FOR RECORD

Todd Gunther
Air Safety Investigator
Eastern Region

Date: November 30, 2016
Subject: Airplane and Engine Examinations
NTSB Accident Number: ERA20LA306

The on-scene airplane examination, and engine examination at a Federal Aviation Administration (FAA) certified repair station, were conducted under the supervision of FAA Inspector Juan Garcia.

The following information was supplied to the NTSB by the FAA:

- During the on-scene examination of the wreckage, it was observed that the nose gear had collapsed into firewall damaging the firewall. The propeller struck the runway damaging both propeller tips. Oil was seeping from both sides of the engine cowling, both access doors on the cowling and from underneath the cowling. Checking the oil dipstick indicator indicated the oil appeared clear, free of contamination and indicated approximately 3 quarts of oil remained in the engine. Engine cowling underside was also damaged by the nose gear when it collapsed inward into the firewall.
- During the examination of the engine, no hidden damage was discovered, However, the temperature valve (vernatherm), P/N SL53E19600, S/N 20182, when functionally tested, would not move a minimum of .160 between 50°F and 185°F.