

Inspectors Statement

Aircraft Accident Investigation

N292RA Diamond, DA-40 NG, S/N 40.NC033

On September 17, 2019, I was dispatched to an aircraft incident where N262RA made a forced landing into a bean field, approximately one mile northeast of Chesapeake Regional Airport (CPK), Chesapeake Virginia, due to an engine issue.

My initial observation of the aircraft revealed two of the three propeller blades had been broken near the spinner. All wheel pants were damaged, the nose gear appeared to be damaged. The lower cowling was damaged. Upon closer examination the belly structure aft of the nose gear just forward of the fuel pumps was found to be damaged. The fuel pumps appeared to have post crash damage.

An inspection of the fuel tanks revealed fuel in both tanks and a fuel receipt from the local FBO dated September 15 2019, indicated that the aircraft had been fueled with twenty nine gallons of Jet –A fuel.

The upper and lower cowling were removed and the following conditions were noted: The induction coupling from the intercooler to the engine induction inlet was off, however both clamps securing the flexible coupling were intact and saftied. The oil level was normal the gearbox oil was normal. No other obvious defects were noted.

On September 24, 2019, I returned to complete the inspection of the aircraft accompanied by a representative of the manufacture. A data download was accomplished by the representative. A general visual inspection of the engine showed no additional obvious defects.

A preliminary analysis of the data was performed with all indications normal until moments before the engine power loss. The data showed that the power loss was due to an instant loss of induction air boost that resulted in a rollback of engine power.

The flexible induction coupling was further inspected and it was found that the induction tube could be inserted into the coupling without and loosening of the clamps designed to secure it. The clamps and coupling in question had been removed at the last 100 hour inspection.