



Record of NTSB investigator's propeller damage assessment

Date: June 5, 2018

Person Contacted: Daniel Boggs, NTSB Aviation Accident Investigator

Subject: WPR17LA175 – request for propeller blade damage assessment

During the investigation, the IIC requested the assistance of NTSB Aviation Accident Investigator Daniel Boggs, an NTSB powerplant and propeller specialist, to assess the damage to the propeller blade in an effort to determine the extent of power, if any, that the engine was generating at the time of impact. The right-seat passenger reported that the engine had quit and was not making any power prior to impact.

Photographs of the propeller and its associated blades were provided to Mr. Boggs' in order for him to perform damage assessment. As a result of Mr. Boggs' assessment, he reported the following:

The damage signatures to the propeller blades indicated that there was power being generated at the time of impact. He reported that "...a wind milling propeller will not curl like that, nor will the tips of a blade come off on one blade. That is power. Maybe a lot of power. Also, the gouges and rotational scoring is huge. The curling is most indicative though."

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