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Subject: ERA24FA310

Contact: Les Doud - Air Safety Investigator, Hartzell Propeller

The following is a summary from an email sent from Les Doud to the IIC regarding N751TX. The email was in regard to the structural limitations of the Whirlwind propeller blades:

Les Doud reported that since the Whirlwind propeller blades were installed in a Titan propeller hub, Hartzell did not have all the necessary design data to complete any additional analysis. However, Les Doud did report that the propeller blade structural failure was consistent with an overspeed event. He further stated that "The RPM created a CF on the blade shanks and hub that reached almost 3x the design limit. As a reminder, Part 35 requires testing to 2x CF."

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