

Kurt Gibson
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Eastern Region Aviation

Date: 02/07/2025

Subject: ERA24FA310

Contact: Les Doud - Air Safety Investigator, Hartzell Propeller

The following information was from an email between Les Doud and the NTSB IIC (Kurt Gibson) regarding the testing of the propeller governor at the Hartzell facility:

Les Doud reported that the governor and propeller were not Whirlwind Propeller or Hartzell Propeller products. He further explained that the composite blade "blank" was made by Whirlwind Propeller, but Titan was responsible for the blade shank and other propeller components such as the hub, pitch change mechanism, and the spinner. He provided additional details regarding the bench test of the Jihostroj propeller governor.

"The governor was a Jihostroj unit, P/N P-920-028/A, S/N 162-051. We mounted it on our test bench and recorded the following parameters:

Relief Pressure: 443 psi @ 2420 RPM

High RPM: 2420 (equivalent to 4598 engine RPM)

Low RPM: 880

Capacity @ 1750 RPM: 8 qts/min

Internal Leakage: 10 oz/min

No external leakage noted."

Les Doud further explained that the blades marked "C" and "D" pulling from their shank barrel was consistent with the blade being under excessive centrifugal force (CF).

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