



MEMORANDUM FOR RECORD

Heidi Moats
Air Safety Investigator
Eastern Region Aviation

March 10, 2014

Subject: ERA14FA077 – Propeller Examination report

Who: Dan Boggs – Hartzell Propeller Representative

In the manufacturer's examination report, Mr. Dan Boggs stated:

“A” propeller had signs of rotational scoring and blade tips torn off. The spinner dome was fractured off during impact and contained the cylinder and piston assembly inside.

“B” propeller was missing several parts and, as of the date of this report, those parts had not been located. The bottom half of the hub was fractured. The fractured appeared to be an impact fracture. The spinner dome was fractured off during impact and contained the cylinder and piston assembly. The tip of the blade was torn off.

The rotational scoring and blade tearing is indicative of power on during impact on propeller “A”. Too many parts were missing on propeller “B” to determine any power setting or determine blade angles, however the single blade that was found had the tip torn off which could suggest power on.

There were no discrepancies noted that would preclude normal operation. All damage was consistent with impact damage.