

National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



WPR23LA134

PROPELLER GOVERNOR EXAMINATION

December 6, 2023

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A. ACCIDENT

Location: Brigham City, Utah
Date: March 11, 2023
Time: 1845 mountain daylight time
Airplane: Experimental amateur-built Zenith CH 801, N638BH

B. PROPELLER GOVERNOR EXAMINATION

Aviation Accident Inv. Daniel Boggs
National Transportation Safety Board
L'Effant Plaza, Washington, D.C.

SUMMARY:

On March 11, 2023, about 1845 mountain daylight time, an experimental amateur-built Zenith CH 801, N638BH, was substantially damaged when it was involved in an accident near Brigham City, Utah. The pilot was not injured. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 personal flight.

The pilot reported that he departed from Brigham City Regional Airport, runway 35, and while ascending, about 200 to 300 ft agl, the airplane experienced a loss of thrust, but the engine remained running. Unable to maintain altitude, the pilot elected to land the airplane on the remaining runway. Subsequently, the airplane landed hard and the nose landing gear collapsed.

C. DETAILS OF THE EXAMINATION

Propeller Governor Examination

Engine Manufacturer: MT-Propeller
Engine Model Number: P-850-13
Engine Serial Number: 08G228-H

Examination of the recovered propeller governor revealed no visible damage was observed. The governor control lever was intact and moved freely from stop to stop. The governor was connected to a governor test stand and performed within manufacturers specifications.



Figure 1: View of propeller governor.

Submitted by:

Daniel Boggs
Aviation Accident Investigator