



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Western Pacific Region

GOVERNOR CONTROLLER EXAMINATION

WPR17LA211

This document contains 1 embedded photo.

A. ACCIDENT

Location: Long Beach, California
Date: September 20, 2017
Aircraft: Robinson Helicopter Company, N7514S, R22 Beta II
NTSB IIC: Elliott Simpson

B. EXAMINATION PARTICIPANTS:

Elliott Simpson
Senior Aviation Accident Investigator
National Transportation Safety Board
Western Pacific Regional Office
Los Angeles, California

Thom Webster
Aviation Safety Investigator
Robinson Helicopter Company
Torrance, California

Hannah Warren
Engineer
Robinson Helicopter Company
Torrance, California

C. SUMMARY

Examination of the governor controller at the facilities of Robinson Helicopter Company (RHC), California, on October 16, 2017.

D. DETAILS OF THE INVESTIGATION

1.0 Examination

Governor

Part Number: B286-2, Rev I,
Serial Number:2419

The governor was tested on a test bench (Photo 1) in accordance RHC governor controller calibration and functional test specifications RPS-59 Rev F. The unit passed all tests.

According to RHC representatives, the governor controllers operating range is between 80% to 113% rotor rpm, and the that the unit will aggressively drive the throttle control servo motor when close to the operating limits, and provide more subtle inputs when close to the normal operating speeds.

1.1 Examination Photos

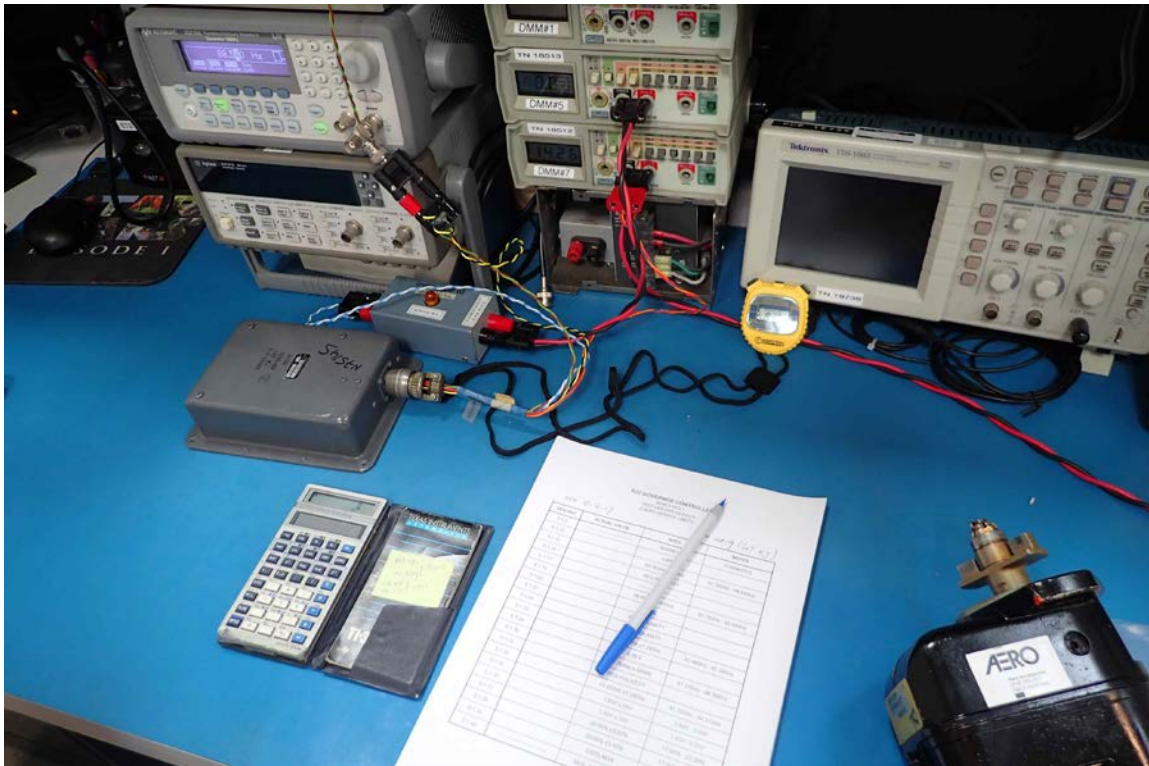


Photo 1 – Governor on Test Bench

Submitted by: Elliott Simpson