



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Western Pacific Region

February 23, 2018

AIRFRAME AND ENGINE EXAMINATION

WPR18FA093

This document contains 4 embedded photos.

A. ACCIDENT

Location: San Diego, CA
Date: February 21, 2018
Aircraft: Cirrus SR22T, Registration N707DF, Serial #1621
NTSB IIC: Samantha Link

B. EXAMINATION PARTICIPANTS:

Samantha Link
Aviation Accident Investigator
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Continental Motors
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C. SUMMARY

Examination of the airframe and engine was conducted on February 23, 2018 at the facilities of Southwest Aircraft Transportation and Recovery in Chino, California. No obvious anomalies were noted with the airframe, and the engine was prepared for shipping to Continental Motors for further examination.

D. DETAILS OF THE INVESTIGATION

1.0 Airframe Examination

- Control Continuity was established from the cabin flight controls to the elevator and rudder
 - Moved freely when manipulated by hand
- Aileron continuity was established from the control stick to the wing roots
 - One aileron cable was fractured at the wing route. It exhibited a broomstraw appearance, consistent with overload
 - Aileron control cable continuity within the wing structure was completed during the on scene portion of the investigation.
- Gascolator bowl was removed and the screen was clear of debris
- The electric fuel boost pump was removed.

- o The motor was fracture separated, and the electrical components for the motor were severely damaged.

1.1 Airframe photos



Figure 1: Gascolator Screen



Figure 2: Electric Fuel Boost Pump

2.0 Engine Examination

- The engine and propeller blades were prepared for shipment to Continental Motors for further examination.

2.1 Engine Photos



Figure 3: Engine



Figure 4: Propeller Blades

END - Submitted by: Samantha Link