



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Western Pacific Region
July 15, 2015

AIRFRAME AND ENGINE EXAM REPORT

WPR15LA176

This document contains 9 embedded photos.

A. ACCIDENT

Location: Blythe, CA
Date: June 2, 2015
Aircraft: Ayres S2R 134, Registration Number: N4018Q, Serial #: 134-021
NTSB IIC: Zoe Keliher

B. EXAMINATION PARTICIPANTS:

Howard Plagens
Senior Air Safety Investigator
National Transportation Safety Board
Desert Hot Springs, CA 92240

Name
Avionic Inspector
Federal Aviation Administration
Scottsdale FSDO
Scottsdale, AZ

C. SUMMARY

Examination of the recovered airframe and engine was conducted on July 15, 2015, at the facilities of Air Transport, Phoenix, Arizona. No evidence of preimpact mechanical malfunction was noted during the examination of the recovered airframe.



Photo 1 Airframe Dataplate

D. DETAILS OF THE INVESTIGATION

1.0 Airframe Examination

The wings had been removed during recovery. The control surfaces remained attached to the wings. All separation points were along jagged and angular planes. Rod ends were bent at fracture points. The leading edges were crushed aft.



Photo 2 Right Side of Fuselage



Photo 3 Bottom of a Wing

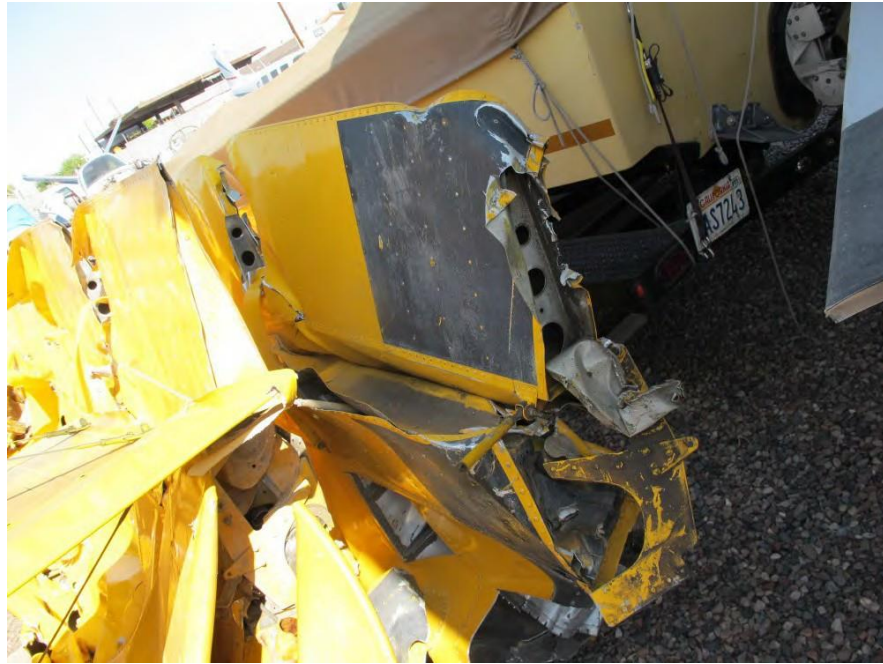


Photo 4 Top of a Wing

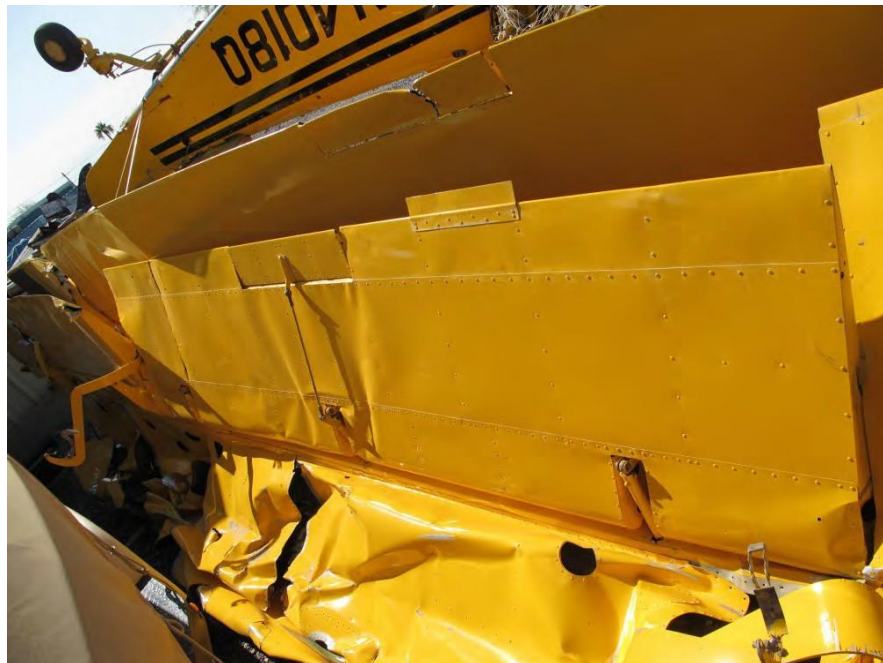


Photo 5 Bottom of a Wing



Photo 6 Top of a Wing

The empennage remained attached except that the left horizontal stabilizer and elevator were cut at a midpoint for recovery.



Photo 7 Right Side of Empennage



Photo 8 Left horizontal Stabilizer and Elevator

Control continuity was established from the control surfaces to the cockpit controls.

A SATCOM GPS was removed for examination by the NTSB recorders laboratory.

2.0 Propeller Examination

The propeller blades that remained attached to the hub were bent and twisted.



Photo 9 Propeller

Submitted by: Howard Plagens