



NATIONAL TRANSPORTATION SAFETY BOARD
Office of Aviation Safety
Western Pacific Region

April 3, 2018

EXAMINATION REPORT

WPR12LA102

This document contains 04 embedded photos.

ACCIDENT

Location: Ogden, Utah
Date: March 5, 2018
Aircraft: Experimental MAC Cub, N669WH, Serial Number: 001
NTSB IIC: Tealeye Cornejo

EXAMINATION PARTICIPANTS:

Jackie Vanover	Cory Bagley
Aviation Accident Investigator	A&P/IA/CFI
National Transportation Safety Board	Bagley Aviation LLC
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SUMMARY

On March 5, 2018, at 1430 mountain standard time, an experimental Mac Cub airplane, N669WH, was substantially damaged when it was involved in an accident near West Point, Utah. The pilot and pilot-rated passenger were not injured. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 personal flight.

DETAILS OF THE INVESTIGATION

No evidence of preimpact mechanical malfunction was noted during the examination of the recovered airframe and engine.

The engine was examined at the Skypark Airport at the pilot's hangar. The wings had been removed to facilitate the recovery. The air intake filter exhibited evidence of impact damage.



Photo 1 - View of Airplane in Hangar (Photo Courtesy of NTSB)

The engine cowling was removed. The rocker box covers, and top spark plugs were also removed. A borescope was used to examine all four-cylinder barrels with no anomalies noted.



Photo 2 - View of Engine (Photo Courtesy of NTSB)



Photo 3 - Spark Plugs (Photo Courtesy of NTSB)

According to the Champion Aerospace Aviation check-A-Plug chart AV-27, the electrodes exhibited a normal wear pattern.

A surrogate fuel tank was connected to the left forward fuel line to facilitate an engine run. The engine started, was run up to 2,300 rpm. The engine rpm was reduced to 1,500 rpm where a carburetor heat, electronic ignition switch, and magnetos were cycled through with no anomalies noted. The engine run lasted about 2 minutes.



Photo 4 - View of Airplane with Fuel Tank (Photo Courtesy of NTSB)

Submitted by: J. Vanover