

National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



WPR24FA238

WIPAIRE SCOOP SYSTEM EXAMINATION

September 24, 2024

A. ACCIDENT

Location: Helena, Montana
Date: July 10, 2024
Time: 1210 mountain daylight time
Airplane: Air Tractor Inc. AT-802A, N10122

B. WIPAIRE SCOOP SYSTEM EXAMINATION

IIC	Tealeye Cornejo National Transportation Safety Board Federal Way, Washington
Party Member	Martin Holte Wipaire, Inc. South Saint Paul, Minnesota
Party Member	Richard Simpson Dauntless Air Appleton, Minnesota

C. SUMMARY

The Wipaire 10000 float examination was conducted on September 24, 2024, at the facilities of Inter-State Aviation, Pullman, Washington.

D. DETAILS OF THE EXAMINATION

1.1 Other Systems - Wipaire Scoop System

The accident airplane was equipped with Wipaire 10000 floats. Both floats had separated from the airframe due to impact forces.

Wipaire, Inc. utilized their scoop system test unit to functionally test the operation of the accident airplane's scoop system. Both scoops functioned normally from the full closed position to the full open position, and back to the full closed position.

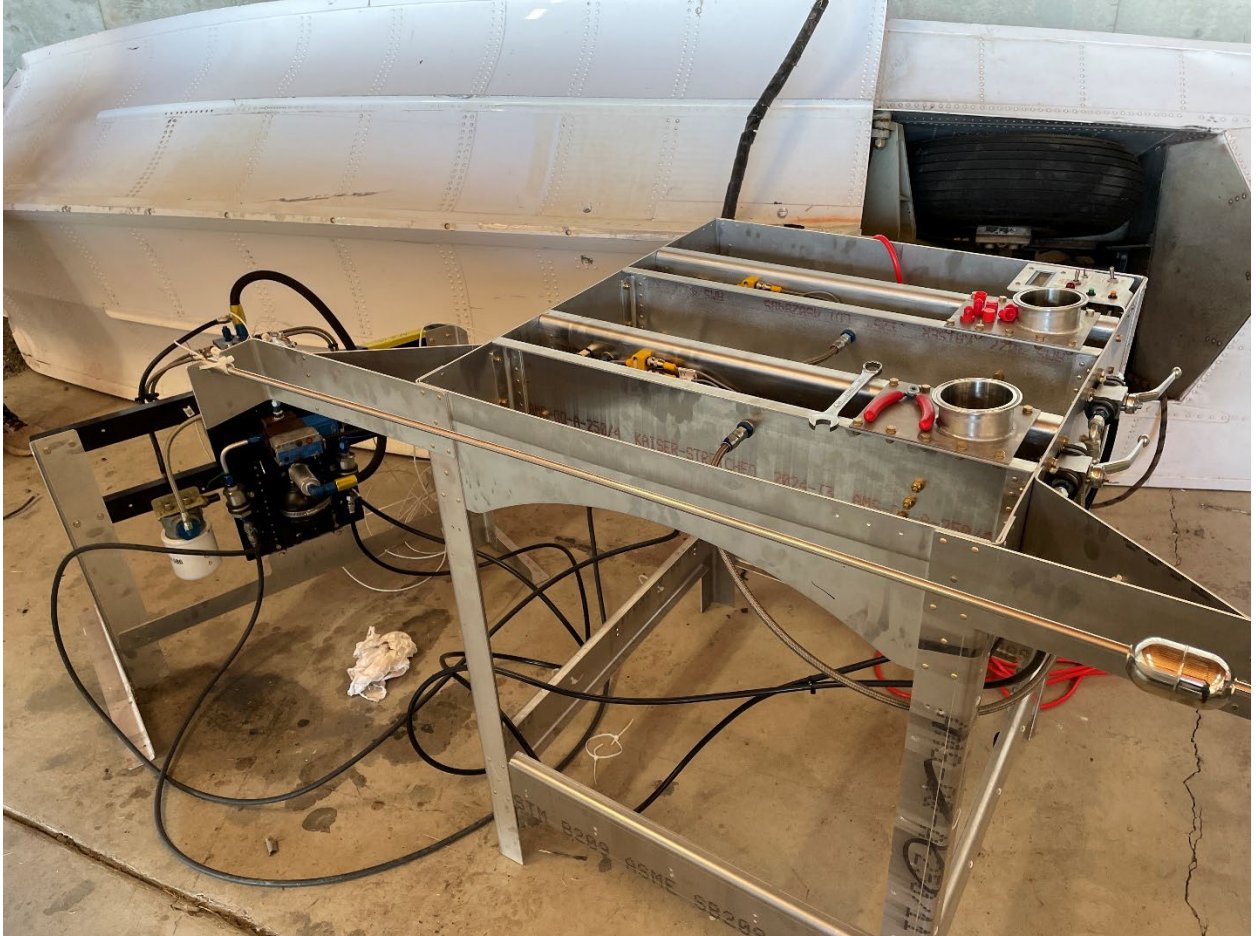


Photo 1: Wipaïre Scoop System Test Unit

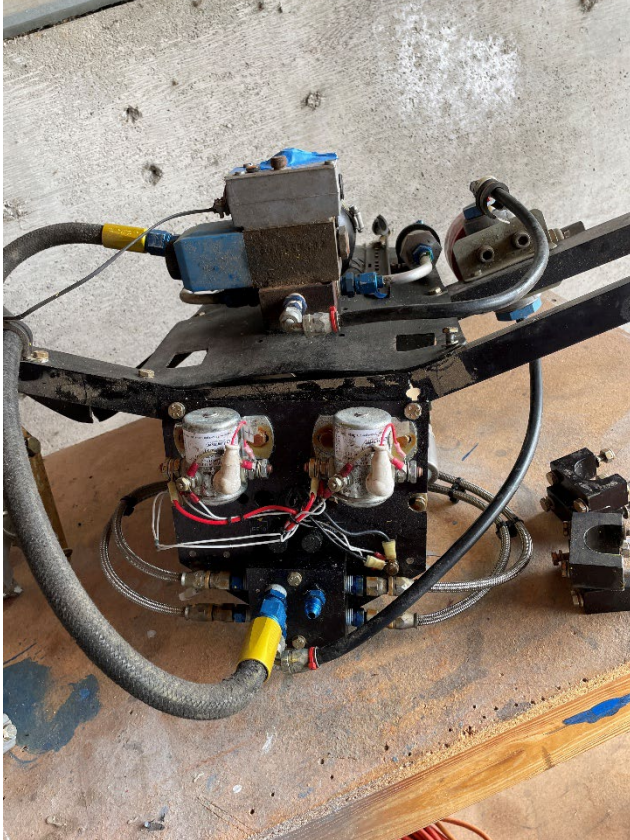


Photo 2: Accident Airplane Float Hydraulic Power Pack

The scoop system test unit was connected to the accident floats via the Float Hydraulic Power Pack from the airplane. Both scoops functioned normally from the full closed position to the full open position, and back to the full closed position.

The Float Hydraulic Power Pack is a closed system and even though the airplane had been submerged in fresh water, the Float Hydraulic Power Pack had not been compromised. When connected to the scoop system test unit, the Float Hydraulic Power Pack functioned properly without issue. The Float Hydraulic Power Pack is located at airplane fuselage station 159.90.

Float Hydraulic Power Pack
Part Number: 10A1200-079

Submitted by:

Tealeye Cornejo
Air Safety Investigator (Field)