

## Summary of Aircraft Examination

### NATIONAL TRANSPORTATION SAFETY BOARD Office of Aviation Safety Washington, DC 20594

#### SUMMARY OF AIRCRAFT EXAMINATIONS

-- CEN22LA412 --

#### A. OVERVIEW

On September 7, 2022, about 1520 central daylight time, a Zenith 750, N1949H, was substantially damaged when it was involved in an accident at Herrmann-Faulk Airfield (54MO), Silex, Missouri. The pilot sustained minor injuries and the pilot-rated passenger sustained serious injuries. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 flight.



Photo 1 – Airplane at Accident Site (Courtesy of FAA)

## **Summary of Aircraft Examination**

### **B. PARTICIPANTS**

A Federal Aviation Administration inspector conducted a wreckage examination of the airplane at the recovery location.

### **C. SUMMARY OF EXAMINATION**

An inspection of the Jabiru 3300 6-cylinder engine was performed. The engine valve covers and top sparkplugs were removed; the spark plugs appeared normal as compared to the Champion Aviation Check a Plug Chart. Continuity of the engine drive train and cylinder compression was established to the extent allowed by aircraft damage.

Fuel was sampled from both wing tanks and the carburetor, with no indications of sediment or water. No anomalies were observed during examination of the fuel system and carburetor.

The weight and balance calculated for the flight indicated the airplane was within the allowable weight and center of gravity limits.

Examination of the flight controls revealed no anomalies. No evidence of pre-impact mechanical anomalies or malfunction were observed with the aircraft that would have precluded normal operation.