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Date: May 14, 2023

Subject: Memorandum for the Record CEN23FA187
Accident Site Examination

Contacts: Alexander Lemishko - NTSB IIC

Summary

The airframe was examined, and no pre-impact anomalies were found with the structure, flight controls, or fuel system.

Accident Scene Findings

Evidence at the accident site was consistent with the airplane impacting terrain in a slight nose down, wings level attitude. The initial impact point was identified by ground scar impressions of the nose landing gear strut and both main gear wheels. The main wreckage came to rest about 152 ft from the initial impact point. The main wreckage consisted of the cockpit, wings and the empennage. Both wings remained attached to the airframe. The left wing was bent downward about midspan. The engine and propeller assembly were separated during the impact sequence. The nose wheel separated the strut and found between the first impact and the main wreckage.

Airframe Examination Findings

Carburetor heat control was found in the off position.

Flight control cable continuity was established from all flight control surfaces to the controls in the cockpit. Both control yokes were separated due to impact damage.

The fuel strainer was impact damaged, and the glass bowl was not located. The cabin fuel selector handle was impact separated from the valve and was free to move by hand. The fuel selector valve was removed, examined and observed in the “both” position. A blue liquid consistent in color and odor to that of aviation type gasoline was observed within the fuel selector valve. Fuel was also found in the fuel tank feeder lines. A fuel sample was obtained and tested for water using water finding paste with a negative result.

The airplane was not equipped with Automated Dependent Surveillance – Broadcast (ADS-B) transceiver/transmitter equipment.

Date & Time: Wed, May 17, 2023 at 10:36:47 CDT
Position: +042.240990° / -098.623883° (±30.0ft)
Altitude: 2053ft (±19.1ft)
Datum: WGS-84
Azimuth/Bearing: 049° N49E 0371mils True (±12°)
Elevation Angle: -07.8°
Horizon Angle: +00.6°
Zoom: 1.0X



Photo 1 Airplane Wreckage at Accident Site

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