

Alexander Lemishko
Senior Air Safety Investigator
NTSB, Central Region

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Subject: Memorandum for the Record CEN23LA205
Accident Site and Wreckage Examination

Contacts: Alexander Lemishko - NTSB IIC
Mike Newhall - FAA IIC, Des Moines FSDO

Accident occurred on May 29, 2023, at the Zangger Vintage Airpark in Larchwood, IA with two souls on board. Inspectors from the DSM FSDO conducted their on-site accident examination on May 30, 2023. Information was relayed to the NTSB IIC.

Details:

- Accident occurred after takeoff from a paved taxiway in a southerly direction.
- Aircraft appeared to get airborne and crashed adjacent to the end of the runway with a final resting point 707' away.
- Aircraft appeared to first impact point 1 with right wingtip (green nav light found in impression in dirt), second impact point with nose/ belly, third impact point with left wing, and came to rest at final point upright on aircraft's right wing with the nose of the aircraft pointed toward the runway. See Figure 1.

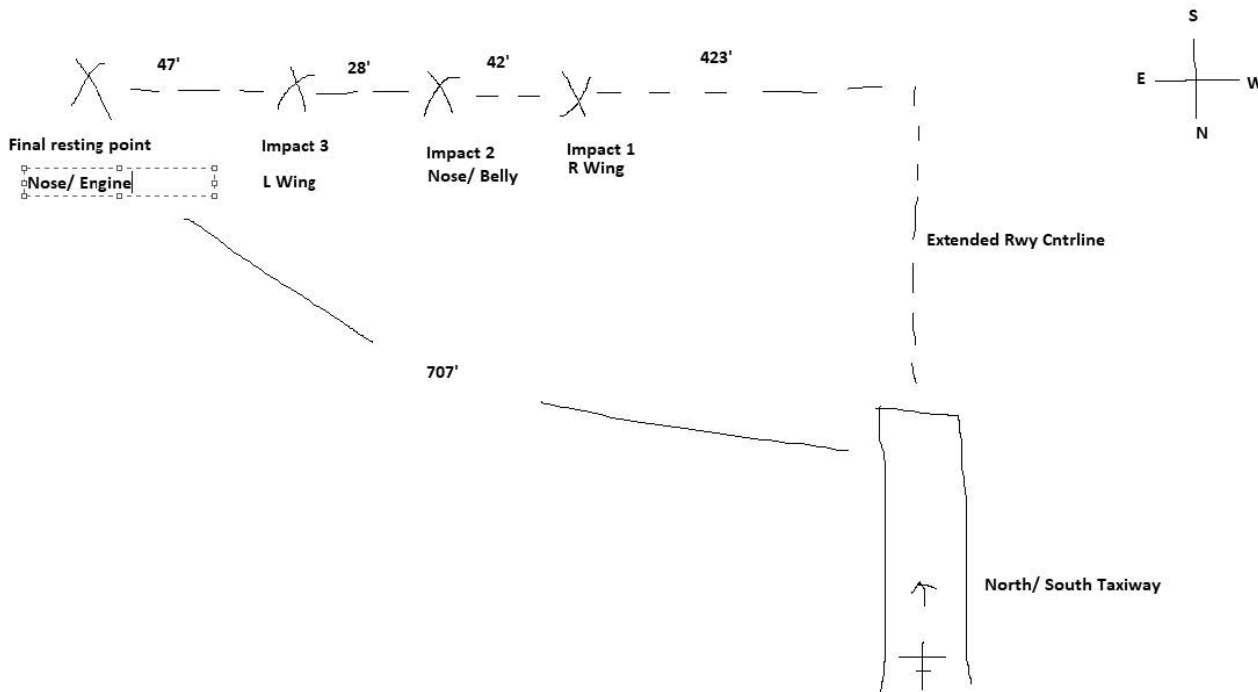


Figure 1. Accident Site Diagram (Not to Scale)

- Examination of the flight controls revealed continuity from the cockpit to the rudder, ailerons, elevator, and elevator trim surfaces. Interruptions were attributed to impact damage.
- Fuel was present in the fuel lines and the carburetor bowl. The fuel tanks were breached, but first responders noted that fuel was leaking and the grass around the wreckage showed blight from fuel leakage.
- Examination of the engine revealed continuity throughout the drivetrain. Thumb compression was verified on all valves and cylinders.
- No pre-impact anomalies were found with the airframe, fuel, system, flight controls, or the engine.

Alexander Lemishko



NTSB Senior Air Safety Investigator
Denver, Colorado