



MEMORANDUM FOR RECORD

Allison Diaz
Air Safety Investigator
Office of Aviation Safety

Date: May 28, 2021
NTSB Accident Number: WPR21FA210
Wreckage Examination

- The airplane was examined at the accident site on the above date, with assistance from inspectors from the FAA Greensboro, NC FSDO.
- The airplane came to rest about 175 ft north of the runway 31/13 centerline about 2,500 ft from the runway 31 threshold. The pilot was departing runway 31 when the accident occurred.
- The wreckage was oriented on a southerly heading and was destroyed by a postcrash fire. The grass surrounding the wreckage displayed fire damage, with the majority of the fire damage located on the north side of the wreckage.
- The frames of the wings, fuselage, and empennage remained largely intact. The front cockpit area sustained the most extensive thermal damage. The right wing displayed impact damage.
- Control cables remained continuity was confirmed from the flight control surfaces to the cockpit area.
- The fabric covering of the wings and fuselage was completely burned away.
- The wooden propeller was highly fragmented and separated from the engine.
- The engine, a 3-cylinder Geo, displayed extensive thermal damage but remained attached to its mount. The accessories remained attached to the rear of the engine. The crankshaft could not be rotated, but valve continuity was established upon rotation of the camshaft.
- The throttle control cable was continuous from the carburetor to the cockpit area.
- Although the scope of the examination was limited due to the extent of the thermal damage sustained during the postcrash fire, there were no observed mechanical malfunctions or anomalies that would have precluded normal operation.

END