

- The field where the pilot attempted to land was muddy and soft.
- The right main gear touched first and the left main touched 4 feet after.
- The right main separated from the aircraft and was found 60 feet behind the aircraft.
- The aircraft was properly registered and had a valid Special Airworthiness Certificate with proper Operating Limitations.
- The pilot was properly certificated and had 18.9 hours in this type of aircraft.
- The last Annual / Condition inspection was completed on July 22, 2017 by Mr. Russel Brown. Mr. Brown is also the previous owner of the aircraft and had donated it to a museum in TX.
- Complete continuity of all flight controls
- Hobbs Meter reads 256.2 in rear seat panel
- Tach time 176.0
- All circuit breakers were pushed in
- "EXPERIMENTAL" was not displayed on the aircraft as required by the Operating Limitations.
- There were items thrown forward in the rear seat. Maps, books and other items were scattered on the floor of the cockpit near the flight controls.

Condition of the aircraft when I arrived (March 24, 2018) the day after the accident.



Aircraft Data Plate.



The coordinates and heading of the aircraft when it came to rest.



Heading of aircraft at its first contact with ground.



From point of touchdown to rest was approximately 78 feet.



Fuel selector valve was in the off position when I arrived. Fuel selector rotated freely.



I was unable to move the Throttle, Mixture and Prop Lever.



Prop moved without resistance 23". I was unable to bring the tail down to spin the prop completely.



Fuel quantity shows empty.



Left Wing fuel tank ruptured.



Right wing fuel quantity shows $\frac{3}{4}$.



Wood Tray under rear seat slid forward.



Coiled cable found under rear seat flight controls.



ELT was in off position.



03.24.2018 09:20

ELT Battery due 2016. No record of ELT battery installed in log book.



Pilot Statement from the Maury County Sheriff's office

STATEMENT					Agency ID	Year	Month	Day	Time	
Name	Brian D Lains	Sex	M	Race	W	DOB	[REDACTED] 422			
Date / Time	Location Given		To Whom Given							
				T.O.I.A.C. Fort Worth TX 76132						
Home Phone #		[REDACTED]								
I, Brian Lains, was piloting N1131Z West out of Smyrna, GA, ~20 minutes after take off, I switched from the left wing tank to the right wing tank ~ 1 minute after I had engine failure. I switched tanks back to left turned on fuel pumps and tried for an airstart. I descended from 2500 ft MSL 3/23/2018										