



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|--------------------------------------|-------------------------|------------|
| Location: | Warrenton, VA | Accident Number: | ERA13CA008 |
| Date & Time: | 10/03/2012, 1700 EDT | Registration: | N63071 |
| Aircraft: | SANDERS BEN G III DR-107 | Injuries: | 1 None |
| Flight Conducted Under: | Part 91: General Aviation - Personal | | |

Analysis

The pilot reported that he landed short and the left wheel collided with the elevated edge of the runway threshold. During the accident sequence, the airplane's left wheel separated from the landing gear axle and punctured the left wing spar and rib, resulting in substantial damage to the left wing. Examination of the wreckage did not reveal any preimpact mechanical malfunctions. The pilot did not report any preaccident mechanical malfunctions or failures that would have precluded normal operation.

Flight Events

Landing-flare/touchdown - Landing area undershoot
Landing-flare/touchdown - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to attain the proper touchdown point, which resulted in an undershoot of the runway.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Not attained/maintained - C
Aircraft-Aircraft systems-Landing gear system-Main gear strut/axle/truck-Damaged/degraded
Personnel issues-Action/decision-Action-Incorrect action performance-Pilot - C
Personnel issues-Action/decision-Info processing/decision-Identification/recognition-Pilot - C

Pilot Information

| | | | |
|----------------------------------|---|------------------------------|------|
| Certificate: | Private | Age: | 22 |
| Airplane Rating(s): | Single-engine Land | Instrument Rating(s): | None |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| Flight Time: | 260 hours (Total, all aircraft), 0 hours (Total, this make and model), 217 hours (Pilot In Command, all aircraft), 40 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft) | | |

Aircraft and Owner/Operator Information

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|------------------------------------|--------------------------------------|----------------------|-----------------|
| Aircraft Manufacturer: | SANDERS BEN G III | Registration: | N63071 |
| Model/Series: | DR-107 | Engines: | 1 Reciprocating |
| Operator: | On file | Engine Manufacturer: | LYCOMING |
| Air Carrier Operating Certificate: | None | Engine Model/Series: | 0-360-A1D |
| Flight Conducted Under: | Part 91: General Aviation - Personal | | |

Meteorological Information and Flight Plan

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|----------------------------------|----------------------------------|------------------------------|------------------------------|
| Observation Facility, Elevation: | HWY, 336 ft msl | Weather Information Source: | Weather Observation Facility |
| Conditions at Accident Site: | Visual Conditions | Lowest Ceiling: | None |
| Condition of Light: | Day | Wind Speed/Gusts, Direction: | 4 knots, 190° |
| Temperature: | 28°C / 23°C | Visibility | 10 Miles |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | Warrenton, VA (HWY) | Destination: | Warrenton, VA (HWY) |

Airport Information

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|----------------------|----------------------------------|---------------------------|---------|
| Airport: | Warrenton-Fauquier Airport (HWY) | Runway Surface Type: | Asphalt |
| Runway Used: | 15 | Runway Surface Condition: | Dry |
| Runway Length/Width: | 5000 ft / 100 ft | | |

Wreckage and Impact Information

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|---------------------|--------|---------------------|-------------|
| Crew Injuries: | 1 None | Aircraft Damage: | Substantial |
| Passenger Injuries: | N/A | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |

Administrative Information

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|-------------------------------|---|---------------|------------|
| Investigator In Charge (IIC): | Eric Alleyne | Adopted Date: | 02/27/2013 |
| Note: | This accident report documents the factual circumstances of this accident as described to the NTSB. | | |
| Investigation Docket: | http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=85261 | | |

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.