



National Transportation Safety Board Aviation Accident Final Report

Location:	Warrenton, VA	Accident Number:	ERA13CA008
Date & Time:	10/03/2012, 1700 EDT	Registration:	N63071
Aircraft:	SANDERS BEN G III DR-107	Aircraft Damage:	Substantial
Defining Event:	Landing area undershoot	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.

Probable Cause and Findings

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	Landing flare - Not attained/maintained (Cause) Main gear strut/axle/truck - Damaged/degraded
Personnel issues	Incorrect action performance - Pilot (Cause) Identification/recognition - Pilot (Cause)

Factual Information

History of Flight

Landing-flare/touchdown	Landing area undershoot (Defining event) Collision with terr/obj (non-CFIT)
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Pilot Information

Certificate:	Private	Age:	22, Female
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	11/11/2011
Occupational Pilot:	No	Last Flight Review or Equivalent:	08/22/2012
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

Aircraft Manufacturer:	SANDERS BEN G III	Registration:	N63071
Model/Series:	DR-107	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	94-0067
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	02/13/2012, Conditional	Certified Max Gross Wt.:	1250 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	220 Hours	Engine Manufacturer:	LYCOMING
ELT:	Not installed	Engine Model/Series:	0-360-A1D
Registered Owner:	N75KA LLC	Rated Power:	180 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	HWY, 336 ft msl	Observation Time:	1655 EST
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	0°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 3500 ft agl	Temperature/Dew Point:	28°C / 23°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	4 knots, 190°	Visibility (RVR):	
Altimeter Setting:	30.06 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Warrenton, VA (HWY)	Type of Flight Plan Filed:	Unknown
Destination:	Warrenton, VA (HWY)	Type of Clearance:	Unknown
Departure Time:	1700 EST	Type of Airspace:	

Airport Information

Airport:	Warrenton-Fauquier Airport (HWY)	Runway Surface Type:	Asphalt
Airport Elevation:	336 ft	Runway Surface Condition:	Dry
Runway Used:	15	IFR Approach:	Visual
Runway Length/Width:	5000 ft / 100 ft	VFR Approach/Landing:	Full Stop

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Eric Alleyne	Adopted Date:	02/27/2013
Additional Participating Persons:	Mark D Fair; FAA/FSDO; Herndon, VA		
Publish 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.

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