



National Transportation Safety Board Aviation Accident Data Summary

Location:	Chapmansboro, TN	Accident Number:	ERA14LA281
Date & Time:	06/08/2014, 1540 CDT	Registration:	N863SB
Aircraft:	BELEW MARSHALL D II STEEN SKYBOLT	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that he performed a preflight inspection with no anomalies noted. In addition, he performed an engine run-up, and everything was normal. During the initial climb, about 200 ft above ground level and just over the departure end of the runway, the pilot noticed that the airplane was not producing full power; witnesses corroborated that the engine lost partial power after the airplane reached the end of the runway. The pilot chose to return to the runway and performed a 180-degree turn. Once the airplane was over the runway centerline, the pilot attempted to add power; however, the engine did not respond. Witnesses reported that, as the airplane neared the runway, the pilot "flared too high" and that the airplane then "stalled," descended, and impacted the runway. A postimpact fire ensued. A postaccident examination of the engine revealed no evidence of mechanical failures or malfunctions that would have precluded normal operation. The reason for the partial loss of engine power could not be determined.

Flight Events

Initial climb - Loss of engine power (partial)
Emergency descent - Off-field or emergency landing
Emergency descent - Loss of control in flight
Uncontrolled descent - 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 maintain airspeed while performing an emergency landing, which led to the airplane exceeding its critical angle-of-attack and experiencing a subsequent aerodynamic stall. Contributing to the accident was a partial loss of engine power for reasons that could not be determined during postaccident examinations.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Airspeed-Not attained/maintained - C

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Angle of attack-Not attained/maintained - C

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Not determined-Not determined-(general)-(general)-Unknown/Not determined - F

Pilot Information

Certificate:	Private	Age:	61
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	BELEW MARSHALL D II	Registration:	N863SB
Model/Series:	STEEN SKYBOLT	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	CONT MOTOR
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-470 SER
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CKV, 550 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 4000 ft agl	Wind Speed/Gusts, Direction:	8 knots / , 360°
Temperature:	27° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Chapmansboro, TN (TN77)	Destination:	Chapmansboro, TN (TN77)

Airport Information

Airport:	WHIFFERDILL (TN77)	Runway Surface Type:	Grass/turf
Runway Used:	20	Runway Surface Condition:	Unknown
Runway Length/Width:	3200 ft / 200 ft		

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:	36.321667, -87.153056 (est)		

Administrative Information

Investigator In Charge (IIC):	Heidi Moats	Adopted Date:	09/08/2015
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89388		

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