



National Transportation Safety Board

Aviation Accident Data Summary

Location:	Eustis, FL	Accident Number:	ERA14LA035
Date & Time:	10/03/2013, 0833 EDT	Registration:	N927H
Aircraft:	AIRBORNE (AUSTRALIA) EDGE EXECUTIVE	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The pilot had successfully performed three takeoffs and landings with his instructor earlier that day; no discrepancies were reported with the engine during the 30-minute flight. The pilot was signed off for his solo flight, and he began the flight with 6 gallons of fuel. The engine quit at the departure end of the runway when the airplane was about 400 feet above ground level. Witnesses, including the pilot's flight instructor, reported observing the airplane pitch down consistent with the wing stalling. The airplane impacted the ground hard, which resulted in substantial damage to the airplane and serious injury to the pilot. The examination of the airframe revealed no discrepancies with the flight controls. The examination of the engine revealed no evidence of piston scoring, which would occur if the engine had seized. Further, no issues with the air induction system were found; the carburetors were not inspected. The reason for the loss of engine power could not be determined.

Flight Events

- Initial climb - Loss of engine power (total)
- Initial climb - 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 inadvertent stalling of the wing following a total loss of engine power for reasons that could not be determined during postaccident examinations, which resulted in a hard landing.

Findings

- Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Angle of attack-Not attained/maintained - C
- Personnel issues-Task performance-Use of equip/info-Use of equip/system-Pilot - C
- Not determined-Not determined-(general)-(general)-Unknown/Not determined - C

Pilot Information

Certificate:	Sport Pilot	Age:	44
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	AIRBORNE (AUSTRALIA)	Registration:	N927H
Model/Series:	EDGE EXECUTIVE NO SERIES	Engines:	1 Reciprocating
Operator:	Brook A. Hall	Engine Manufacturer:	Rotax
Air Carrier Operating Certificate:	None	Engine Model/Series:	582
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	LEE, 76 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:	3 knots, 40°
Temperature:	19° C / 19° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Eustis, FL (X55)	Destination:	Eustis, FL (X55)

Airport Information

Airport:	Mid Florida Air Service (X55)	Runway Surface Type:	Grass/turf
Runway Used:	36	Runway Surface Condition:	Unknown
Runway Length/Width:	3200 ft / 80 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Timothy W Monville	Adopted Date:	08/14/2014
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=88381		

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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