



National Transportation Safety Board Aviation Accident Data Summary

Location:	Garden City, KS	Accident Number:	CEN11CA447
Date & Time:	07/02/2011, 1910 CDT	Registration:	N125GD
Aircraft:	ARION AIRCRAFT LLC LIGHTNING LS-1	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

According to the pilot, he had performed one go-around because he believed his speed was too fast. During the second attempt to land, the airplane landed hard and departed the right side of the runway. The right main landing gear separated and the nose gear collapsed. A postaccident examination of the airframe revealed that the engine was partially separated from the fuselage and there was substantial damage to the right-wing spar box. The pilot did not report any preaccident mechanical anomalies or failures.

Flight Events

Landing-flare/touchdown - Windshear or thunderstorm
Landing-flare/touchdown - Loss of control on ground

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The pilot's failure to maintain aircraft control while landing.

Findings

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

Pilot Information

Certificate:	Private	Age:	69
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	625 hours (Total, all aircraft), 17 hours (Total, this make and model), 625 hours (Pilot In Command, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	ARION AIRCRAFT LLC	Registration:	N125GD
Model/Series:	LIGHTNING LS-1	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	Jabiru
Air Carrier Operating Certificate:	None	Engine Model/Series:	33A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KGCK, 2891 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:	12 knots/ 20 knots, 170°
Temperature:	36° C / 6° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Garden City, KS (KGCK)	Destination:	Garden City, KS (KGCK)

Airport Information

Airport:	Garden City Regional Airport (KGCK)	Runway Surface Type:	
Runway Used:	17	Runway Surface Condition:	Dry
Runway Length/Width:	7300 ft / 100 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Jennifer Rodi	Adopted Date:	10/17/2011
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=80990		

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