



Aviation Investigation Final Report

Location:	Pickens, South Carolina	Accident Number:	GAA18CA451
Date & Time:	July 28, 2018, 11:00 Local	Registration:	N24CM
Aircraft:	Vans RV 6	Aircraft Damage:	Substantial
Defining Event:	Abnormal runway contact	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

According to the pilot in the tailwheel-equipped, experimental, amateur-built airplane, he had practiced two takeoffs and landings and then decided to refuel the airplane. After refueling the airplane, he flew one more pattern before flying to his home airport. The pilot stated that, during the landing flare, the airplane "seemed as if it was being pushed down." The left wing struck the runway, the airplane landed on the right main landing gear, and the airplane then bounced. The propeller struck the ground, and the airplane exited the right side of the runway and then stopped.

The airplane sustained substantial damage to the left wing spar.

The METAR at the airport about the time of the accident reported that the wind was calm.

The pilot reported that there were no mechanical malfunctions or failures with the airplane 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 improper landing flare, which resulted in a bounced landing.

Findings

Personnel issues	Aircraft control - Pilot
Aircraft	Landing flare - Not attained/maintained

Factual Information

History of Flight

Landing-flare/touchdown	Loss of control in flight
Landing-flare/touchdown	Abnormal runway contact (Defining event)
Landing-flare/touchdown	Collision with terr/obj (non-CFIT)
Landing-flare/touchdown	Runway excursion

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	71,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	December 12, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	December 20, 2016
Flight Time:	(Estimated) 752 hours (Total, all aircraft), 48 hours (Total, this make and model), 750 hours (Pilot In Command, all aircraft), 6.4 hours (Last 90 days, all aircraft), 2.2 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Vans	Registration:	N24CM
Model/Series:	RV 6 Undesignat	Aircraft Category:	Airplane
Year of Manufacture:	1994	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	20835
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	March 21, 2018 Annual	Certified Max Gross Wt.:	1750 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1658.7 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-320-D1A
Registered Owner:		Rated Power:	160 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KLQK,1014 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	15:15 Local	Direction from Accident Site:	18°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.09 inches Hg	Temperature/Dew Point:	29°C / 21°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Asheville, NC (AVL)	Type of Flight Plan Filed:	None
Destination:	Asheville, NC (AVL)	Type of Clearance:	None
Departure Time:	10:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	Pickens County LQK	Runway Surface Type:	Asphalt
Airport Elevation:	1013 ft msl	Runway Surface Condition:	Dry
Runway Used:	05	IFR Approach:	None
Runway Length/Width:	5002 ft / 100 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	34.810001,-82.702774(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	Todd Clamp; FAA; West Columbia, SC
Original Publish Date:	June 5, 2019
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=97926

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