



Aviation Investigation Final Report

Location:	Ahoskie, North Carolina	Accident Number:	ERA20CA152
Date & Time:	April 17, 2020, 11:00 Local	Registration:	N118CR
Aircraft:	HOLMGREN Bearhawk	Aircraft Damage:	Substantial
Defining Event:	Landing gear collapse	Injuries:	3 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot stated that, during landing roll, the right main landing gear (MLG) collapsed. He added that there were two bolts that secure the right MLG and that he found them both fractured after the accident. The pilot believed that one of the bolts was not properly tightened/torqued and failed first and that the second bolt then failed due to overstress. A witness who was working at the airport at the time of the accident reported that he noticed a small airplane approaching and that it appeared to be "wobbling" as it came in for landing. Upon landing, the airplane "bounced" on the runway, turned left, and departed the runway. The witness was unable to see the entire touchdown because his line of sight was partially obscured by buildings, but he noticed that one wingtip seemed to rise 15 to 20 ft during the bounce. The airplane sustained substantial damage to the right wing, airframe, and tailwheel. A 6-knot crosswind existed at the time of the landing.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The collapse of the right main landing gear during a bounced, crosswind landing.

Findings

Aircraft	Main landing gear - Not specified
Environmental issues	Crosswind - Effect on operation

Factual Information

History of Flight

Landing	Abnormal runway contact
Landing	Landing gear collapse (Defining event)
Landing	Runway excursion

Pilot Information

Certificate:	Airline transport; Commercial	Age:	78, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Lap only
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	October 10, 2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 29, 2019
Flight Time:	16000 hours (Total, all aircraft), 300 hours (Total, this make and model), 16000 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	HOLMGREN	Registration:	N118CR
Model/Series:	Bearhawk	Aircraft Category:	Airplane
Year of Manufacture:	2013	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	88
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	September 18, 2019 Condition	Certified Max Gross Wt.:	2500 lbs
Time Since Last Inspection:	3 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	169 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-540
Registered Owner:	On file	Rated Power:	250 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:	ASJ,66 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	10:55 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	110°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.3 inches Hg	Temperature/Dew Point:	15°C / 4°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Roanoke, VA (ROA)	Type of Flight Plan Filed:	None
Destination:	Ahoskie, NC (ASJ)	Type of Clearance:	None
Departure Time:	10:00 Local	Type of Airspace:	

Airport Information

Airport:	Tri-County Airport ASJ	Runway Surface Type:	Asphalt
Airport Elevation:	66 ft msl	Runway Surface Condition:	Dry
Runway Used:	19	IFR Approach:	None
Runway Length/Width:	4501 ft / 75 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 None	Latitude, Longitude:	36.2975,-77.170829(est)

Administrative Information

Investigator In Charge (IIC):	Gretz, Robert
Additional Participating Persons:	Bradley McCauley; FAA/FSDO; Greensboro, NC
Original Publish Date:	August 3, 2020
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=101179

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