



Aviation Investigation Final Report

Location:	Hazleton, Pennsylvania	Accident Number:	ERA14CA463
Date & Time:	September 27, 2014, 13:45 Local	Registration:	N222JJ
Aircraft:	Beech D55	Aircraft Damage:	Substantial
Defining Event:	Miscellaneous/other	Injuries:	4 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

After an uneventful 30 minute flight the pilot returned to the airport and entered the traffic pattern for a full stop landing on runway 28; the wind at the time was variable at 3 knots. He reported the touchdown was normal, but about 5 to 10 seconds after touchdown, "the plane started rumbling and pulling hard to the left"; he confirmed he was not on the airplane's brakes at that time. He reported the nose steering was not effective, and when the left main landing gear wheel was in the grass, he advanced the left throttle in an attempt to overcome the left turning tendency. The airplane then contacted a temporary rock road and both main landing gears collapsed. All occupants exited the airplane uninjured, and when he deemed it safe, he reentered the airplane and secured the fuel selectors.

Postaccident inspection of the airplane by several FAA inspectors revealed the left tire was deflated and a hole was completely worn through the casing on an area of the tread, and also through the tube. Postaccident operational testing of the airplane's brake system revealed no evidence of preimpact failure or malfunction. The brakes released with release of pressure on the brake pedals; no sticking was noted. Damage to a portion of the left wing at the leading edge and main spar was noted. Damage was also noted the main spar of the left aileron, and to structure on the lower fuselage aft of the wing trailing edge.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The brake application for unknown reasons resulting in rupture of the left main landing gear tire and tube, and subsequent loss of directional control.

Findings

Aircraft	Brake - Not specified
Aircraft	Tire casing - Damaged/degraded
Aircraft	Tube - Damaged/degraded

Factual Information

History of Flight

Landing-landing roll	Miscellaneous/other (Defining event)
Landing-landing roll	Abrupt maneuver
Landing-landing roll	Runway excursion
Landing-landing roll	Landing gear collapse

Pilot Information

Certificate:	Private	Age:	53
Airplane Rating(s):	Single-engine land; Multi-engine land	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 3 With waivers/limitations	Last FAA Medical Exam:	August 20, 2014
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 20, 2013
Flight Time:	612 hours (Total, all aircraft), 203 hours (Total, this make and model), 435 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N222JJ
Model/Series:	D55	Aircraft Category:	Airplane
Year of Manufacture:	1968	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	TE-639
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	July 1, 2014 Annual	Certified Max Gross Wt.:	5300 lbs
Time Since Last Inspection:	11 Hrs	Engines:	2 Reciprocating
Airframe Total Time:	3463 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	C126 installed, not activated	Engine Model/Series:	IO-520-CB
Registered Owner:	JLD CONYNGHAM LTD	Rated Power:	250 Horsepower
Operator:	JLD CONYNGHAM LTD	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	AVP,962 ft msl	Distance from Accident Site:	24 Nautical Miles
Observation Time:	13:54 Local	Direction from Accident Site:	30°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.23 inches Hg	Temperature/Dew Point:	27°C / 12°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Hazelton, PA (HZL)	Type of Flight Plan Filed:	None
Destination:	Hazelton, PA (HZL)	Type of Clearance:	None
Departure Time:	13:15 Local	Type of Airspace:	

Airport Information

Airport:	Hazelton Municipal Airport HZL	Runway Surface Type:	Asphalt
Airport Elevation:	1603 ft msl	Runway Surface Condition:	Dry
Runway Used:	28	IFR Approach:	None
Runway Length/Width:	4898 ft / 100 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	40.986667,-75.995002(est)

Administrative Information

Investigator In Charge (IIC):	Monville, Timothy
Additional Participating Persons:	Robert Harger; FAA/FSDO; Allentown, PA
Original Publish Date:	January 12, 2015
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=90183

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