



National Transportation Safety Board Aviation Accident Data Summary

Location:	Burlington, VT	Accident Number:	ERA13LA005
Date & Time:	10/02/2012, 0900 EDT	Registration:	N8025M
Aircraft:	CESSNA 310I	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that he landed the multiengine airplane without incident; however, while taxiing after landing, the left main landing gear collapsed, which resulted in substantial damage to the left wing and left horizontal stabilizer. Subsequent examination of the airplane revealed that the left main landing gear bellcrank pin had separated from its bushing. The pin was not located; however, metallurgical examination of the left main landing gear bellcrank and retraction link revealed significant deformation and fracturing of the bellcrank bushing, which was consistent with a very large force applied along the axis of the link. The deformations on the link suggested that the pin fractured inside the hole and exited the bore as two separate pieces. Although an overstress failure seems probable, other failure modes, such as a significant fatigue crack cannot be ruled out because the fractured pin fragments were not located. The airplane was manufactured about 38 years before the accident. It had been operated for about 3,675 total hours, about 25 hours of which occurred since its most recent annual inspection, which was performed about 2 months earlier.

Flight Events

Taxi-from runway - Landing gear collapse

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The collapse of the left main landing gear due to a failure of the left main gear bellcrank pin for reasons that could not be determined because the pieces of the fractured bellcrank pin were not located.

Findings

Aircraft-Aircraft systems-Landing gear system-Gear extension and retract sys-Failure - C
Not determined-Not determined-(general)-(general)-Unknown/Not determined - C

Pilot Information

Certificate:	Private	Age:	32
Airplane Rating(s):	Multi-engine Sea; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	450 hours (Total, all aircraft), 160 hours (Total, this make and model), 420 hours (Pilot In Command, all aircraft), 100 hours (Last 90 days, all aircraft), 25 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N8025M
Model/Series:	310I	Engines:	2 Reciprocating
Operator:	On file	Engine Manufacturer:	Continental Motors Inc.
Air Carrier Operating Certificate:	None	Engine Model/Series:	IO-470U
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	BTV, 335 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	Broken / 8500 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	6 knots, 180°
Temperature:	14°C / 11°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Burlington, VT (BTV)	Destination:	Burlington, VT (BTV)

Airport Information

Airport:	Burlington (BTV)	Runway Surface Type:	Asphalt
Runway Used:	15	Runway Surface Condition:	Dry
Runway Length/Width:	8320 ft / 150 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Luke Schiada	Adopted Date:	01/13/2014
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=85239		

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