



National Transportation Safety Board Aviation Accident Data Summary

Location:	Oshkosh, WI	Accident Number:	CEN13CA187
Date & Time:	02/02/2013, 1530 CST	Registration:	N9691S
Aircraft:	CHAMPION 7GCAA	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

After performing three touch-and-go landings on a frozen lake, the pilot set up for a full stop landing on the plowed surface of the frozen lake. After a smooth landing, and while taxiing to park, the left wheel strut collapsed. The airplane tipped over onto its left side, resulting in substantial damage to the left wing spar. Examination of the airplane after the accident revealed evidence of fatigue cracking on the failed portion of the left wheel strut mount. The airplane had been flown about 50-75 hours after its last annual inspection with no problems noted by the owner. The pilot stated that he lands on frozen lakes frequently and that the collapse of the landing gear was unexpected.

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: Fatigue cracking and failure of the left wheel strut mount resulting in collapse of the left main landing gear during taxi.

Findings

Aircraft-Aircraft systems-Landing gear system-Main landing gear attach sec-Fatigue/wear/corrosion - C

Pilot Information

Certificate:	Private	Age:	55
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	394 hours (Total, all aircraft), 334 hours (Total, this make and model), 394 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CHAMPION	Registration:	N9691S
Model/Series:	7GCAA	Engines:	1 Reciprocating
Operator:	Keith Mustain	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	0-320 SERIES
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	OSH, 808 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:	5 knots, 280°
Temperature:		Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Oshkosh, WI (OSH)	Destination:	Oshkosh, WI (OSH)

Airport Information

Airport:	Oshkosh (OSH)	Runway Surface Type:	
Runway Used:	N/A	Runway Surface Condition:	
Runway Length/Width:			

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):	Alexander Lemishko	Adopted Date:	07/29/2013
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=86371		

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