



National Transportation Safety Board Aviation Accident Data Summary

Location:	Eastsound, WA	Accident Number:	WPR14CA125
Date & Time:	02/04/2014, 0830 PST	Registration:	N78330
Aircraft:	CESSNA 172K	Injuries:	3 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that during landing, the airplane encountered a wind gust, landed hard and bounced several times. The nose gear collapsed and the airplane skidded to a stop, which resulted in substantial damage to the engine firewall.

The pilot reported no preimpact mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Flight Events

Landing-flare/touchdown - Hard landing

Landing-flare/touchdown - Nose over/nose down

Landing-landing roll - Runway excursion

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate flare and failure to maintain aircraft control during landing in gusty wind conditions.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Not attained/maintained - C

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Environmental issues-Conditions/weather/phenomena-Wind-Gusts-Effect on operation

Pilot Information

Certificate:	Private	Age:	44
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	(Estimated) 525 hours (Total, all aircraft), 469.7 hours (Total, this make and model), 394 hours (Pilot In Command, all aircraft), 3.5 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N78330
Model/Series:	172K	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-320 SERIES
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	ORS, 31 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:	11 knots/ 21 knots, 40°
Temperature:	-3° C / -14° C	Visibility	10 Miles
Precipitation and Obscuration:	No Precipitation		
Departure Point:	FRIDAY HARBOR, WA (FHR)	Destination:	Eastsound, WA (ORS)

Airport Information

Airport:	ORCAS ISLAND (ORS)	Runway Surface Type:	Asphalt
Runway Used:	34	Runway Surface Condition:	Dry
Runway Length/Width:	2900 ft / 60 ft		

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

Administrative Information

Investigator In Charge (IIC):	Albert P Nixon	Adopted Date:	06/05/2014
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=88862		

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