



National Transportation Safety Board Aviation Accident Data Summary

Location:	Boise, ID	Accident Number:	GAA16CA215
Date & Time:	05/01/2016, 1700 MDT	Registration:	N5700R
Aircraft:	CESSNA 172	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that during the landing flare he encountered a left quartering tailwind and the airplane started to drift to the right. The pilot further reported that during the landing roll the airplane veered to the left off the runway and ground looped.

The right elevator was substantially damaged.

The pilot did not report any mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Flight Events

- Landing-flare/touchdown - Other weather encounter
- Landing-landing roll - Loss of control on ground
- Landing-landing roll - Runway excursion
- Landing-landing roll - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's decision to land with a quartering tailwind and failure to maintain directional control during the landing roll, which resulted in a runway excursion and ground loop.

Findings

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

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

Personnel issues-Action/decision-Info processing/decision-Decision making/judgment-Pilot - C

Environmental issues-Conditions/weather/phenomena-Wind-Tailwind-Ability to respond/compensate

Pilot Information

Certificate:	Private	Age:	27
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	(Estimated) 288.5 hours (Total, all aircraft), 8.3 hours (Total, this make and model), 238.9 hours (Pilot In Command, all aircraft), 7.7 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N5700R
Model/Series:	172 F	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	Lycoming
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-360-A3A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KBOI, 2871 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:	7 knots, 290°
Temperature:	21°C / 3°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Boise, ID (BOI)	Destination:	Boise, ID (BOI)

Airport Information

Airport:	BOISE AIR TERMINAL/GOWEN FLD (BOI)	Runway Surface Type:	Asphalt
Runway Used:	10R	Runway Surface Condition:	Dry
Runway Length/Width:	9763 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):	Adam M Gerhardt	Adopted Date:	06/15/2016
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=93101		

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