



Aviation Investigation Final Report

Location:	Yakima, Washington	Accident Number:	WPR11CA235
Date & Time:	May 25, 2011, 11:45 Local	Registration:	N8712D
Aircraft:	Piper PA-22-160	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The pilot stated that he was returning to land when, upon touchdown, a gust of wind lifted his left wing. Despite his control inputs the airplane ground-looped. At the time of the accident, the wind at the accident airport was reported to be from 240 degrees at 7 knots. The pilot reported that there were no preimpact mechanical malfunctions or failures with the airframe and engine that would have precluded normal flight.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain directional control upon landing.

Findings

Personnel issues	Aircraft control - Student/instructed pilot
Environmental issues	Crosswind - Contributed to outcome
Aircraft	Directional control - Not attained/maintained

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event)
Landing-landing roll	Landing gear collapse

Pilot Information

Certificate:	Flight instructor; Student	Age:	31, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	Helicopter	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	Helicopter	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	January 7, 2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 4, 2011
Flight Time:	243 hours (Total, all aircraft), 34 hours (Total, this make and model), 156 hours (Pilot In Command, all aircraft), 48 hours (Last 90 days, all aircraft), 24 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N8712D
Model/Series:	PA-22-160	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22-5893
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	October 8, 2010 100 hour	Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:	33 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3062 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-320 SERIES
Registered Owner:	Hagedorn J., Matthew	Rated Power:	150 Horsepower
Operator:	Hagedorn J., Matthew	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KYKM,1099 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	18:53 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 4700 ft AGL	Visibility	10 miles
Lowest Ceiling:	Overcast / 6000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	240°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.8 inches Hg	Temperature/Dew Point:	13°C / 10°C
Precipitation and Obscuration:	Light - None - Rain		
Departure Point:	Redmond, OR (KRDM)	Type of Flight Plan Filed:	None
Destination:	Yakima, WA (KYKM)	Type of Clearance:	None
Departure Time:	09:25 Local	Type of Airspace:	

Airport Information

Airport:	Yakima/McCallister Field KYKM	Runway Surface Type:	Asphalt
Airport Elevation:	1099 ft msl	Runway Surface Condition:	Wet
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	7604 ft / 150 ft	VFR Approach/Landing:	Straight-in

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	46.567501,-120.539718(est)

Administrative Information

Investigator In Charge (IIC):	Rich, Jefferey
Additional Participating Persons:	FAA Spokane FSDO; Spokane, WA
Original Publish Date:	August 3, 2011
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=79215

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