



Aviation Investigation Final Report

Location:	Wenatchee, Washington	Accident Number:	WPR12CA245
Date & Time:	June 2, 2012, 13:20 Local	Registration:	N3184D
Aircraft:	Cessna 180	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during the takeoff ground roll with a left crosswind condition, the airplane began to swerve immediately after the tail came off the ground and the left wing rose. The pilot attempted to correct with aileron, rudder, and control stick inputs, but the airplane turned into the wind and the right wing and propeller contacted the ground. The airplane subsequently came to rest balanced on its right main landing gear, the propeller, and the right wing tip. The airplane's right wing and right aileron were substantially damaged as a result of impact damage with the runway surface. The pilot reported no preimpact mechanical malfunctions or failures with the airplane that would have precluded normal operation.

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 during takeoff in a crosswind condition.

Findings

Aircraft	Directional control - Not attained/maintained
Environmental issues	Crosswind - Effect on operation
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Takeoff	Other weather encounter
Takeoff	Loss of control on ground (Defining event)

Pilot Information

Certificate:	Commercial	Age:	69,Female
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	April 26, 2012
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 18, 2011
Flight Time:	2896 hours (Total, all aircraft), 1959 hours (Total, this make and model), 2896 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N3184D
Model/Series:	180	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	31982
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	January 26, 2012 Annual	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:	6 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	5684 Hrs at time of accident	Engine Manufacturer:	Continental Motors
ELT:	Installed, not activated	Engine Model/Series:	O-470
Registered Owner:	Janet L Liberty	Rated Power:	230 Horsepower
Operator:	Janet L Liberty	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	EAT, 1249 ft msl	Distance from Accident Site:	
Observation Time:	13:55 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Few / 5000 ft AGL	Visibility	10 miles
Lowest Ceiling:	Broken / 8500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	10 knots / 16 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	260°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.79 inches Hg	Temperature/Dew Point:	21°C / 2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Wenatchee, WA (EAT)	Type of Flight Plan Filed:	None
Destination:	Chelan, WA (S10)	Type of Clearance:	None
Departure Time:	13:20 Local	Type of Airspace:	

Airport Information

Airport:	Pangborn Memorial Airport EAT	Runway Surface Type:	Asphalt
Airport Elevation:	1249 ft msl	Runway Surface Condition:	Dry
Runway Used:	30	IFR Approach:	None
Runway Length/Width:	5700 ft / 150 ft	VFR Approach/Landing:	None

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:	47.416667,-120.21083

Administrative Information

Investigator In Charge (IIC):	Little, Thomas
Additional Participating Persons:	Robert Rasmussen; Federal Aviation Administration; Spokane, WA
Original Publish Date:	October 9, 2012
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.ntsb.gov/Docket?ProjectID=83849

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