



Aviation Investigation Final Report

Location:	Wausau, Wisconsin	Accident Number:	CEN12CA590
Date & Time:	August 14, 2012, 11:00 Local	Registration:	N52187
Aircraft:	Cessna 180J	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

After an uneventful 30-minute flight, the pilot set up the tail wheel equipped airplane for a full stop traffic pattern approach and landing. The pilot stated that he touched down normally on the dry asphalt runway heading 050 degrees. Nearing the end of roll out, a "huge" unexpected gust of wind (about 20-25 knots out of the west) lifted the left wing off the ground and pushed the tail to the right, causing the nose of airplane to face to the left. The pilot attempted to correct, but did not have enough rudder authority. The airplane then skidded to the left and went slightly off the left side of the runway. The right wing dug into dirt, resulting in structural damage to the outboard section of right wing. The pilot stated that he had checked the ATIS information just prior to landing, and the reported wind was 050 degrees at 10 knots with no gusts. Also, he stated that wind "T" indicated that the wind was from about 050 degrees. The pilot noted that he was very surprised when he encountered the crosswind gust on roll out. Shortly after the accident, the pilot demonstrated proficiency in crosswind landings during an FAA check flight.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's loss of control during landing roll out, resulting in a runway excursion. Contributing to the accident was an unexpected crosswind wind gust.

Findings

Personnel issues	Delayed action - Pilot
Environmental issues	Crosswind - Contributed to outcome
Environmental issues	Gusts - Contributed to outcome

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
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Pilot Information

Certificate:	Private	Age:	69, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	December 1, 2011
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 6, 2012
Flight Time:	365 hours (Total, all aircraft), 100 hours (Total, this make and model), 30 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N52187
Model/Series:	180J	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18052545
Landing Gear Type:		Seats:	6
Date/Type of Last Inspection:	July 14, 2012 Annual	Certified Max Gross Wt.:	2850 lbs
Time Since Last Inspection:	10 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2281 Hrs at time of accident	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, not activated	Engine Model/Series:	O-470 SERIES
Registered Owner:	MONK ROBERT WILLIAM	Rated Power:	230 Horsepower
Operator:	MONK ROBERT WILLIAM	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots / 20 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	50°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.95 inches Hg	Temperature/Dew Point:	23°C / 9°C
Precipitation and Obscuration:			
Departure Point:	Lake Tomahawk, WI (WI36)	Type of Flight Plan Filed:	None
Destination:	Wausau, WI (AUW)	Type of Clearance:	None
Departure Time:	10:30 Local	Type of Airspace:	

Airport Information

Airport:	Wausau Downtown Airport AUW	Runway Surface Type:	Asphalt
Airport Elevation:	1201 ft msl	Runway Surface Condition:	Dry
Runway Used:	04	IFR Approach:	None
Runway Length/Width:	3041 ft / 100 ft	VFR Approach/Landing:	Full stop;Traffic pattern

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:	44.926109,-89.626945(est)

Administrative Information

Investigator In Charge (IIC):	Lemishko, Alexander
Additional Participating Persons:	Jan Gerstner; FSDO Milwaukee; Milwaukee, WI
Original Publish Date:	July 23, 2013
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=84857

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