



Aviation Investigation Final Report

Location:	Pella, Iowa	Accident Number:	CEN13CA290
Date & Time:	May 12, 2013, 10:55 Local	Registration:	N3465Z
Aircraft:	Piper PA-22-160	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that he was landing on runway 34 and the wind was from 290 degrees at 7 knots. He stated that during the landing he used a crosswind landing technique using left aileron input and right rudder input at touchdown. Within 2 to 3 airplane lengths after touching down, the airplane's right wing and main landing gear began to raise up and the airplane veered to the left. The pilot stated that he attempted to correct but the airplane exited the left side of the runway and nosed over. The pilot did not report any mechanical malfunctions of the airplane. The airplane sustained damage to the fuselage and both wing spars.

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 landing.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	37, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	July 17, 2012
Occupational Pilot:	No	Last Flight Review or Equivalent:	September 23, 2011
Flight Time:	604 hours (Total, all aircraft), 16 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N3465Z
Model/Series:	PA-22-160	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22-7387
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:		Engine Model/Series:	0-320
Registered Owner:	Daniel M. Adams	Rated Power:	160 Horsepower
Operator:	Daniel M. Adams	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PEA, 885 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	10:55 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.26 inches Hg	Temperature/Dew Point:	11°C / -3°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Marshalltown, IA (MIW)	Type of Flight Plan Filed:	None
Destination:	Pella, IA (PEA)	Type of Clearance:	None
Departure Time:	10:35 Local	Type of Airspace:	

Airport Information

Airport:	Pella Municipal Airport PEA	Runway Surface Type:	Concrete
Airport Elevation:	885 ft msl	Runway Surface Condition:	Dry
Runway Used:	34	IFR Approach:	None
Runway Length/Width:	5403 ft / 75 ft	VFR Approach/Landing:	Traffic pattern

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
Total Injuries:	2 None	Latitude, Longitude:	41.401111, -92.945831

Administrative Information

Investigator In Charge (IIC):	Brannen, John
Additional Participating Persons:	Roger Clark; FAA-Des Moines FSDO; Des Moines, IA
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.ntsb.gov/Docket?ProjectID=86965

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