



# Aviation Investigation Final Report

<b>Location:</b>	Moriarty, New Mexico	<b>Accident Number:</b>	CEN12CA024
<b>Date &amp; Time:</b>	October 16, 2011, 10:57 Local	<b>Registration:</b>	N415WW
<b>Aircraft:</b>	WACO CLASSIC AIRCRAFT YMF-F5C	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

During the landing roll, the airplane swerved, and the pilot attempted to regain control, but due to the heavy boots he was wearing, he inadvertently actuated the toe brakes because the boots masked the feedback from the rudder. The airplane nosed over, which resulted in substantial damage to the upper wing, rudder, and vertical fin. The pilot reported that there were no preimpact anomalies 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 control of the airplane during the landing roll.

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Personnel issues</b>	(general) - Pilot

## Factual Information

### History of Flight

<b>Landing-landing roll</b>	Cabin safety event
<b>Landing-landing roll</b>	Loss of control on ground (Defining event)
<b>Landing-landing roll</b>	Nose over/nose down

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	55, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Rear
<b>Other Aircraft Rating(s):</b>	Glider	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Without waivers/limitations	<b>Last FAA Medical Exam:</b>	August 11, 2011
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	September 20, 2011
<b>Flight Time:</b>	2800 hours (Total, all aircraft), 50 hours (Total, this make and model), 2400 hours (Pilot In Command, all aircraft), 60 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	WACO CLASSIC AIRCRAFT	<b>Registration:</b>	N415WW
<b>Model/Series:</b>	YMF-F5C	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	F5C-8-126
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	3
<b>Date/Type of Last Inspection:</b>	July 20, 2011 Annual	<b>Certified Max Gross Wt.:</b>	2950 lbs
<b>Time Since Last Inspection:</b>	50 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	50 Hrs at time of accident	<b>Engine Manufacturer:</b>	Jacobs
<b>ELT:</b>	C91A installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	R755A2M
<b>Registered Owner:</b>	PINNACLE WACO LEASING INC	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>	PINNACLE WACO LEASING INC	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	CQC,7087 ft msl	<b>Distance from Accident Site:</b>	15 Nautical Miles
<b>Observation Time:</b>	10:53 Local	<b>Direction from Accident Site:</b>	75°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	9 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	290°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.29 inches Hg	<b>Temperature/Dew Point:</b>	21°C / -3°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Liberal, KS (LBL )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Moriarty, NM (0E0 )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	08:30 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Moriarty Airport OEO	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	6199 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	26	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	7700 ft / 75 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	34.982223,-106.004997(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Aguilera, Jason
<b>Additional Participating Persons:</b>	Vernon Rockett; Federal Aviation Administration; Albuquerque, NM
<b>Original Publish Date:</b>	December 27, 2011
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=82086">https://data.nts.gov/Docket?ProjectID=82086</a>

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