



# Aviation Investigation Final Report

<b>Location:</b>	Paso Robles, California	<b>Accident Number:</b>	WPR13CA146
<b>Date &amp; Time:</b>	March 11, 2013, 13:38 Local	<b>Registration:</b>	N29969
<b>Aircraft:</b>	Waco UPF-7	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 Minor
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that, during the landing roll in light and variable wind, a “puff” of wind from the east caused the tail, which was on the runway, to swing around. The pilot added power in an attempt to regain directional control; however, he did not apply power soon enough. The right wing touched the runway, and the airplane impacted a taxiway intersection sign. The airplane's wing spars were structurally damaged, and the upper right wing tip was crushed. 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 adequately compensate for crosswind conditions, which resulted in a loss of directional control during the landing roll.

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Environmental issues</b>	Crosswind - Response/compensation
<b>Personnel issues</b>	Aircraft control - Pilot

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion

### Pilot Information

Certificate:	Private	Age:	67, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Rear
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	January 14, 2013
Occupational Pilot:	No	Last Flight Review or Equivalent:	June 11, 2011
Flight Time:	3986 hours (Total, all aircraft), 26 hours (Total, this make and model), 22 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Waco	Registration:	N29969
Model/Series:	UPF-7	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	5466
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	April 26, 2012 Annual	Certified Max Gross Wt.:	2620 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4023 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	W670 SERIES
Registered Owner:	Stewart Edwards	Rated Power:	220 Horsepower
Operator:	Stewart Edwards	Operating Certificate(s) Held:	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>	KPRB,839 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	13:53 Local	<b>Direction from Accident Site:</b>	
<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>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.11 inches Hg	<b>Temperature/Dew Point:</b>	22°C / 1°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Paso Robles, CA (KPRB)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Paso Robles, CA (KPRB)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:00 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Paso Robles Municipal Airport KPRB	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	19	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	Touch and go;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Minor	<b>Latitude, Longitude:</b>	35.672779,-120.626945(est)

## Administrative Information

**Investigator In Charge (IIC):** McKenny, Van

**Additional Participating Persons:** Bill Dime; Federal Aviation Administration; San Jose, CA

**Original Publish Date:** June 24, 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=86401>

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