



# Aviation Investigation Final Report

<b>Location:</b>	Wachula, Florida	<b>Accident Number:</b>	ERA15CA069
<b>Date &amp; Time:</b>	December 2, 2014, 13:06 Local	<b>Registration:</b>	N933TK
<b>Aircraft:</b>	Piper PA-46-310P	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Hard landing	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

According to the pilot, he flew the traffic pattern to a touchdown zone landing on runway centerline. However, after touching down, the airplane "floated back up," then touched down again "with authority." It bounced again, then "weather vaned some," and the pilot became concerned that the airplane was "chewing up runway." The airplane then touched down a third time, but the pilot did not pull back on the yoke. He subsequently heard the propeller strike the runway, the airplane then veered off the right side of the runway, the nose landing gear collapsed, and the engine mounts broke. The pilot indicated that there were no preexisting mechanical anomalies that would have precluded normal operation. Nearest recorded weather included winds that were about 90 degrees from the right of the runway, at 10, gusting to 15 knots.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper recovery from a bounced landing during gusty crosswind conditions.

### Findings

<b>Aircraft</b>	Landing flare - Incorrect use/operation
<b>Personnel issues</b>	Incorrect action performance - Pilot

## Factual Information

### History of Flight

<b>Landing-flare/touchdown</b>	Hard landing (Defining event)
<b>Landing-landing roll</b>	Runway excursion

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	53
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	3-point
<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>	September 9, 2013
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	November 21, 2014
<b>Flight Time:</b>	692 hours (Total, all aircraft), 74 hours (Total, this make and model), 556 hours (Pilot In Command, all aircraft), 59 hours (Last 90 days, all aircraft), 38 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Piper	<b>Registration:</b>	N933TK
<b>Model/Series:</b>	PA-46-310P	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1986	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	4608029
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	November 3, 2014 Annual	<b>Certified Max Gross Wt.:</b>	4101 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3240 Hrs at time of accident	<b>Engine Manufacturer:</b>	CONT MOTOR
<b>ELT:</b>	C91 installed, not activated	<b>Engine Model/Series:</b>	TSIO-520 SER
<b>Registered Owner:</b>	Jupiter Malibu, LLC	<b>Rated Power:</b>	0 Horsepower
<b>Operator:</b>	Jupiter Malibu, LLC	<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>	LAL,142 ft msl	<b>Distance from Accident Site:</b>	28 Nautical Miles
<b>Observation Time:</b>	17:50 Local	<b>Direction from Accident Site:</b>	350°
<b>Lowest Cloud Condition:</b>	Scattered / 2500 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Broken / 6500 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots / 15 knots	<b>Turbulence Type Forecast/Actual:</b>	/ None
<b>Wind Direction:</b>	90°	<b>Turbulence Severity Forecast/Actual:</b>	/ N/A
<b>Altimeter Setting:</b>	30.19 inches Hg	<b>Temperature/Dew Point:</b>	24°C / 20°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Vero Beach, FL (VRB )	<b>Type of Flight Plan Filed:</b>	IFR
<b>Destination:</b>	Wachula, FL (CHN )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	12:19 Local	<b>Type of Airspace:</b>	Class E

## Airport Information

<b>Airport:</b>	WAUCHULA MUNI CHN	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	108 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	36	<b>IFR Approach:</b>	Global positioning system
<b>Runway Length/Width:</b>	4005 ft / 75 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<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 None	<b>Latitude, Longitude:</b>	27.514999,-81.880554(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Cox, Paul
<b>Additional Participating Persons:</b>	David Bear; FAA/FSDO; Tampa, FL
<b>Original Publish Date:</b>	January 12, 2015
<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=90451">https://data.nts.gov/Docket?ProjectID=90451</a>

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