



National Transportation Safety Board Aviation Accident Final Report

Location:	Wachula, FL	Accident Number:	ERA15CA069
Date & Time:	12/02/2014, 1306 EST	Registration:	N933TK
Aircraft:	PIPER PA-46-310P	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

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

Aircraft

Personnel issues	Incorrect action performance - Pilot (Cause)
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Factual Information

History of Flight

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

Pilot Information

Certificate:	Private	Age:	53
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Without Waivers/Limitations	Last Medical Exam:	09/09/2013
Occupational Pilot:	No	Last Flight Review or Equivalent:	11/21/2014
Flight Time:	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

Aircraft Manufacturer:	PIPER	Registration:	N933TK
Model/Series:	PA-46-310P	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	4608029
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	11/03/2014, Annual	Certified Max Gross Wt.:	4101 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3240 Hours	Engine Manufacturer:	CONT MOTOR
ELT:	C91 installed, not activated	Engine Model/Series:	TSIO-520 SER
Registered Owner:	Jupiter Malibu, LLC	Rated Power:	0 hp
Operator:	Jupiter Malibu, LLC	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	LAL, 142 ft msl	Observation Time:	1750 UTC
Distance from Accident Site:	28 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	350°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 2500 ft agl	Temperature/Dew Point:	24° C / 20° C
Lowest Ceiling:	Broken / 6500 ft agl	Visibility	10 Miles
Wind Speed/Gusts, Direction:	10 knots/ 15 knots, 90°	Visibility (RVR):	
Altimeter Setting:	30.19 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Vero Beach, FL (VRB)	Type of Flight Plan Filed:	IFR
Destination:	Wachula, FL (CHN)	Type of Clearance:	None
Departure Time:	1219 EST	Type of Airspace:	Class E

Airport Information

Airport:	WAUCHULA MUNI (CHN)	Runway Surface Type:	Asphalt
Airport Elevation:	108 ft	Runway Surface Condition:	Dry
Runway Used:	36	IFR Approach:	Global Positioning System
Runway Length/Width:	4005 ft / 75 ft	VFR Approach/Landing:	Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	Paul R Cox	Adopted Date:	01/12/2015
Additional Participating Persons:	David Bear; FAA/FSDO; Tampa, FL		
Publish Date:	01/12/2015		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=90451		

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