



Aviation Investigation Final Report

Location:	Sebastian, Florida	Accident Number:	ERA12CA010
Date & Time:	October 6, 2011, 09:15 Local	Registration:	N67WR
Aircraft:	CALVIN NATE H CALVIN-VELOCITY	Aircraft Damage:	Substantial
Defining Event:	Landing area undershoot	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot stated that he was practicing touch-and-go landings, and, as the airplane turned onto final approach, the wind caused the wings to rock. The airplane became too low on the approach, and the pilot added full power; however, the airplane impacted trees just prior to the runway, which resulted in substantial damage to both wings and the fuselage. The pilot reported that there were no preimpact mechanical malfunctions with the airplane.

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 the proper approach path, which resulted in a runway undershoot and collision with terrain prior to the runway.

Findings

Aircraft	Descent/approach/glide path - Not attained/maintained
Personnel issues	Delayed action - Pilot

Factual Information

History of Flight

Landing	Landing area undershoot (Defining event)
Landing	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	57, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	April 28, 2010
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 12, 2011
Flight Time:	95 hours (Total, all aircraft), 5 hours (Total, this make and model), 50 hours (Pilot In Command, all aircraft), 11 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CALVIN NATE H	Registration:	N67WR
Model/Series:	CALVIN-VELOCITY	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	422109601
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	October 3, 2011 Condition	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	FRANKLIN
ELT:	Installed, not activated	Engine Model/Series:	6A-350-C1R
Registered Owner:	Robert Malloy	Rated Power:	205 Horsepower
Operator:	Robert Malloy	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	VRB,24 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	08:53 Local	Direction from Accident Site:	160°
Lowest Cloud Condition:	Few / 3700 ft AGL	Visibility	10 miles
Lowest Ceiling:	Broken / 9000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	60°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.05 inches Hg	Temperature/Dew Point:	26°C / 19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Sebastian, FL (X26)	Type of Flight Plan Filed:	None
Destination:	Sebastian, FL (X26)	Type of Clearance:	None
Departure Time:	09:10 Local	Type of Airspace:	

Airport Information

Airport:	Sebastian Municipal Airport X26	Runway Surface Type:	Asphalt
Airport Elevation:	21 ft msl	Runway Surface Condition:	Dry
Runway Used:	04	IFR Approach:	None
Runway Length/Width:	4024 ft / 75 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	27.813055,-80.495552(est)

Administrative Information

Investigator In Charge (IIC):	Gretz, Robert
Additional Participating Persons:	Tony Alfaya; FAA/FSDO; Orlando, FL
Original Publish Date:	December 27, 2011
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=82002

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