



Aviation Investigation Final Report

Location:	Wooster, Ohio	Accident Number:	CEN10CA532
Date & Time:	September 9, 2010, 13:30 Local	Registration:	N112TH
Aircraft:	Robertson VELOCITY	Aircraft Damage:	Substantial
Defining Event:	Loss of engine power (total)	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, prior to departure, the fuel system sight gages indicated he had over 25 gallons of fuel on board; he did not visually check the fuel level in the tanks. Upon reaching his destination, the pilot made a low approach over the runway, climbed, and flew to an area about 5 miles from the airport to wait for another airplane to land ahead of him. The engine experienced a loss of power and he maneuvered the airplane into a glide back to the airport. Realizing he was not going to be able to reach the airport, the pilot chose a field to perform a forced landing. Just prior to touch down, the airplane stalled and landed hard. Postaccident inspection of the airplane revealed the fuel tanks were intact and there was no fuel present either in the tanks or on the ground around the wreckage.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A loss of engine power due to fuel exhaustion as a result of the pilot's inadequate fuel planning.

Findings

Personnel issues	Preflight inspection - Pilot
Personnel issues	Aircraft control - Pilot
Aircraft	Fuel - Fluid level

Factual Information

History of Flight

Maneuvering	Loss of engine power (total) (Defining event)
Emergency descent	Off-field or emergency landing
Landing-flare/touchdown	Aerodynamic stall/spin

Pilot Information

Certificate:	Commercial	Age:	68, Male
Airplane Rating(s):	Single-engine land; Multi-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 3 With waivers/limitations	Last FAA Medical Exam:	December 17, 2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	March 13, 2010
Flight Time:	2802 hours (Total, all aircraft), 51 hours (Total, this make and model), 2644 hours (Pilot In Command, all aircraft), 7 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Robertson	Registration:	N112TH
Model/Series:	VELOCITY	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	SRE042
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	September 9, 2010 Annual	Certified Max Gross Wt.:	2250 lbs
Time Since Last Inspection:	51 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	51 Hrs	Engine Manufacturer:	Superior
ELT:	Installed, not activated	Engine Model/Series:	XP-10-360
Registered Owner:	ROBERTSON JAMES F	Rated Power:	180 Horsepower
Operator:	ROBERTSON JAMES F	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 5500 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	320°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.05 inches Hg	Temperature/Dew Point:	75°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Somerset, PA (2G9)	Type of Flight Plan Filed:	None
Destination:	Wooster, OH (BJJ)	Type of Clearance:	None
Departure Time:	11:25 Local	Type of Airspace:	Class C

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	40.880279,-81.89167(est)

Administrative Information

Investigator In Charge (IIC):	Sullivan, Pamela
Additional Participating Persons:	Sara Nicholson; FAA-CLE-FSDO; Cleveland, OH
Original Publish Date:	March 16, 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.nts.gov/Docket?ProjectID=77253

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