



Aviation Investigation Final Report

Location:	Greene, Iowa	Accident Number:	CEN09CA121
Date & Time:	December 31, 2008, 14:30 Local	Registration:	N899CB
Aircraft:	Cessna 150M	Aircraft Damage:	Substantial
Defining Event:	Loss of engine power (total)	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The recently certificated private pilot reduced the engine power setting and descended to an altitude of 800 to 1,000 feet above the ground so the passenger could take aerial photographs of a farm house. The pilot stated that he had the power setting pulled back approximately halfway while they were circling and that the engine seized when he attempted to apply full power to gain altitude. The airplane landed hard during the off-airport forced landing on a snow-covered farm field. The airplane sustained firewall damage when the nose gear collapsed following a 75-foot-long landing roll. The pilot stated that he did not use carburetor heat while circling. Postaccident inspection revealed the engine turned freely when rotated by hand and when the ignition was engaged. Examination of the spark plugs revealed they were black in color from soot.

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 undetermined reasons. Contributing to the accident was the rough, snow-covered terrain.

Findings

Not determined	(general) - Unknown/Not determined
Environmental issues	Rough terrain - Contributed to outcome
Environmental issues	Snowy/icy terrain - Contributed to outcome
Aircraft	(general) - Not specified

Factual Information

History of Flight

Maneuvering-low-alt flying	Loss of engine power (total) (Defining event)
Landing-flare/touchdown	Hard landing
Landing-landing roll	Landing gear collapse

Pilot Information

Certificate:	Private	Age:	18,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:	August 13, 2007
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 17, 2008
Flight Time:	61 hours (Total, all aircraft), 53 hours (Total, this make and model), 22 hours (Pilot In Command, all aircraft), 9 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N899CB
Model/Series:	150M	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Unknown	Serial Number:	15076699
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	December 17, 2008 Annual	Certified Max Gross Wt.:	1600 lbs
Time Since Last Inspection:	2 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	6098 Hrs at time of accident	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-200 SERIES
Registered Owner:	CEDAR VALLEY AVIATION LLC	Rated Power:	100 Horsepower
Operator:	Kevin E. Brown	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	ALO,873 ft msl	Distance from Accident Site:	28 Nautical Miles
Observation Time:	14:54 Local	Direction from Accident Site:	135°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots / None	Turbulence Type Forecast/Actual:	/
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	-13°C / -19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Waverly, IA (C25)	Type of Flight Plan Filed:	None
Destination:	Waverly, IA (C25)	Type of Clearance:	None
Departure Time:	14:15 Local	Type of Airspace:	Class E

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	2 None	Latitude, Longitude:	42.741943,-92.508056(est)

Administrative Information

Investigator In Charge (IIC):	Sullivan, Pamela
Additional Participating Persons:	Kyle Thurston; FAA; Des Moines, IL
Original Publish Date:	May 6, 2009
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=73202

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