



Aviation Investigation Final Report

Location:	Greensburg, Indiana	Accident Number:	CEN11CA298
Date & Time:	April 19, 2011, 19:00 Local	Registration:	N18WY
Aircraft:	AVIAT AIRCRAFT A-1C-180	Aircraft Damage:	Substantial
Defining Event:	Nose over/nose down	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot was practicing low approaches when he experienced a partial loss of engine power during climb out. He continued onto the downwind leg where he applied carburetor heat and determined the loss of power was a result of carburetor ice. The pilot shortened the downwind and base legs, and decided to land on the grass alongside the paved runway. He stated that the approach was high and fast and he was more comfortable landing on the grass as the airplane was equipped with tundra tires. The airplane nosed over during the landing when it contacted standing water on the grass. The right wing of the airplane was substantially damaged. A review of the FAA Carburetor Icing chart revealed the conditions were conducive to serious icing at descent power.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's decision to land on the grass which contained standing water. Contributing to the accident was the partial loss of power due to carburetor ice.

Findings

Environmental issues	Conducive to carburetor icing - Effect on equipment
Personnel issues	Decision making/judgment - Pilot
Environmental issues	Wet/muddy terrain - Contributed to outcome

Factual Information

History of Flight

Approach-VFR pattern crosswind	Loss of engine power (partial)
Landing-flare/touchdown	Nose over/nose down (Defining event)

Pilot Information

Certificate:	Private	Age:	48, Male
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Front
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 Without waivers/limitations	Last FAA Medical Exam:	December 17, 2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 6, 2011
Flight Time:	3300 hours (Total, all aircraft), 250 hours (Total, this make and model), 3285 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AVIAT AIRCRAFT	Registration:	N18WY
Model/Series:	A-1C-180	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	3038
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	November 10, 2010 Annual	Certified Max Gross Wt.:	2200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	258 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-360-A1P
Registered Owner:	OVERFIELD LLC	Rated Power:	180 Horsepower
Operator:	Todd T. Reed	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	GEZ,803 ft msl	Distance from Accident Site:	23 Nautical Miles
Observation Time:	19:53 Local	Direction from Accident Site:	319°
Lowest Cloud Condition:		Visibility	6 miles
Lowest Ceiling:	Broken / 4400 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.62 inches Hg	Temperature/Dew Point:	20°C / 18°C
Precipitation and Obscuration:	N/A - None - Mist		
Departure Point:	Greensburg, IN (I34)	Type of Flight Plan Filed:	Unknown
Destination:	Greensburg, IN (I34)	Type of Clearance:	None
Departure Time:	18:30 Local	Type of Airspace:	Class D

Airport Information

Airport:	Greensburg Municipal Airport I34	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	1 Minor	Latitude, Longitude:	39.32722,-85.521667(est)

Administrative Information

Investigator In Charge (IIC):	Sullivan, Pamela
Additional Participating Persons:	James Hoban; FAA-IND-FSDO; Indianapolis, IN
Original Publish Date:	July 12, 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=78927

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