



National Transportation Safety Board Aviation Accident Data Summary

Location:	Doylestown, PA	Accident Number:	ERA10LA104
Date & Time:	01/01/2010, 1108 EST	Registration:	N4026J
Aircraft:	CESSNA 150G	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The accident flight was the first flight since an overhauled engine was installed. The pilot performed an engine run-up before takeoff and noted no discrepancies. During the initial climb, between 50 and 75 feet above ground level, the engine experienced a partial loss of power. The pilot executed a forced landing into a field; the airplane came to rest upright and there were no injuries to the pilot or passenger. Postaccident inspection of the engine revealed no evidence of preimpact failure or malfunction. The temperature and dew point at the time of the accident were favorable for serious carburetor ice at cruise power.

Flight Events

Initial climb - Fuel related
Initial climb - Loss of engine power (partial)
Emergency descent - Off-field or emergency landing
Landing - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
A partial loss of engine power due to carburetor icing.

Findings

Environmental issues-Conditions/weather/phenomena-Temp/humidity/pressure-Conducive to carburetor icing-Effect on equipment - C

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	46
Airplane Rating(s):	Single-engine Land; Single-engine Sea	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine; Instrument Airplane
Flight Time:	1400 hours (Total, all aircraft), 200 hours (Total, this make and model), 1200 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N4026J
Model/Series:	150G	Engines:	1 Reciprocating
Operator:	FRATTONE CLIFFORD T	Engine Manufacturer:	CONT MOTOR
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-200-A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	DYL, 394 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	Overcast / 6500 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	6 knots, 290°
Temperature:	2°C / 1°C	Visibility	4 Miles
Precipitation and Obscuration:	Moderate - Mist; No Precipitation		
Departure Point:	Doylestown, PA (DYL)	Destination:	Doylestown, PA (DYL)

Airport Information

Airport:	Doylestown Airport (DYL)	Runway Surface Type:	Asphalt
Runway Used:	05	Runway Surface Condition:	
Runway Length/Width:	3004 ft / 60 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Timothy W Monville	Adopted Date:	05/06/2010
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=75217		

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