



National Transportation Safety Board Aviation Accident Data Summary

Location:	SLIPPERY ROCK, PA	Accident Number:	NYC90LA045
Date & Time:	01/03/1990, 1430 EST	Registration:	N4636E
Aircraft:	AERONCA 11CC	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE ENGINE EXPERIENCED A POWER LOSS DUE TO CARBURETOR ICE ABOUT 5 MINUTES AFTER TAKEOFF AT AN ALTITUDE OF 800 FEET AGL AND THE PILOT ATTEMPTED TO RETURN TO THE AIRPORT FOR A LANDING. REALIZING HE WOULD NOT MAKE THE AIRPORT, THE PILOT TURNED THE AIRPLANE 90 DEGREES TO THE RIGHT AND THE AIRPLANE STALLED AT 30 FEET AND STRUCK THE ROAD. ON IMPACT THE PILOT WAS THROWN OUT, HOWEVER HE WAS NOT INJURED. THE FAA EXAMINED THE AIRPLANE AND COULD FIND NO INDICATION OF A MECHANICAL FAILURE. THEY REPORTED THE TOP SPARK PLUGS WERE SOOTY AND THE FUEL TANKS CONTAINED AVIATION GASOLINE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: LOSS OF AIRSPEED AND AN INADVERTENT STALL BY THE PILOT DURING AN ATTEMPTED RETURN TO THE AIRPORT, FOLLOWING A POWER LOSS DUE TO CARBURETOR ICE.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: CRUISE - NORMAL

Findings

1. SINGLE ENGINE AIRCRAFT
2. (C) WEATHER CONDITION - CARBURETOR ICING CONDITIONS
3. (C) CARBURETOR HEAT - IMPROPER USE OF - PILOT IN COMMAND

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: DESCENT - EMERGENCY

Findings

4. AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
5. STALL/MUSH - INADVERTENT - PILOT IN COMMAND

Pilot Information

Certificate:	Private	Age:	64
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	517 hours (Total, all aircraft), 35 hours (Total, this make and model), 3 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AERONCA	Registration:	N4636E
Model/Series:	11CC 11CC	Engines:	1 Reciprocating
Operator:	WILLIAM J. RAYNER	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	C-85-8
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	Overcast / 5000 ft agl	Wind Speed/Gusts, Direction:	12 knots / , 225°
Temperature:	-18°C	Visibility:	20 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Airport Information

Airport:	FLYING ACRES (OPN1)	Runway Surface Type:	Asphalt
Runway Used:	9	Runway Surface Condition:	Dry
Runway Length/Width:	2100 ft / 200 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): ROBERT L HANCOCK Adopted Date: 09/28/1992

Investigation Docket: NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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