



Aviation Investigation Final Report

Location:	VESTAL, New York	Accident Number:	NYC91LA242
Date & Time:	September 21, 1991, 15:30 Local	Registration:	N4110
Aircraft:	CESSNA 180L	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT WAS CRUISING AT 3500 FEET WHEN HE EXPERIENCED A POWER LOSS. DURING A FORCED LANDING, HE STRUCK A DITCH AND THE AIRPLANE FLIPPED OVER. THE ENGINE WAS RUN SATISFACTORILY AFTER THE ACCIDENT. EXAMINATION OF A CARBURETOR ICING PROBABILITY CHART REVEALED THE PILOT WAS OPERATING IN CONDITIONS OF MODERATE ICING PROBABILITY WITH CRUISE POWER.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER USE OF CARBURETOR HEAT BY THE PILOT WHICH RESULTED IN A POWER LOSS DUE TO CARBURETOR ICE OVER UNSUITABLE TERRAIN.

Findings

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

Findings

1. (F) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
2. WEATHER CONDITION - CARBURETOR ICING CONDITIONS
3. (C) CARBURETOR HEAT - IMPROPER USE OF - PILOT IN COMMAND

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - UNCONTROLLED

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (F) TERRAIN CONDITION - DITCH

Factual Information

Pilot Information

Certificate:	Private	Age:	44, Male
Airplane Rating(s):	Single-engine land; Single-engine sea	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 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	April 24, 1991
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	170 hours (Total, all aircraft), 35 hours (Total, this make and model), 113 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N4110
Model/Series:	180L 180L	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	50667
Landing Gear Type:	Amphibian	Seats:	4
Date/Type of Last Inspection:	September 17, 1991 Annual	Certified Max Gross Wt.:	2650 lbs
Time Since Last Inspection:	6 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2143 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed	Engine Model/Series:	O-470-L
Registered Owner:	JOBAR LTD	Rated Power:	230 Horsepower
Operator:	JOSEPH W. TALHOT	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	BGM ,1630 ft msl	Distance from Accident Site:	11 Nautical Miles
Observation Time:	15:50 Local	Direction from Accident Site:	210°
Lowest Cloud Condition:	Scattered / 4000 ft AGL	Visibility	55 miles
Lowest Ceiling:	Unknown	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	12°C / 1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	HONESDALE , PA (N30)	Type of Flight Plan Filed:	None
Destination:	ENDICOTT , NY (N17)	Type of Clearance:	None
Departure Time:	14:50 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	Grass/turf
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	42.079891,-76.049774(est)

Administrative Information

Investigator In Charge (IIC):	Hancock, Robert
Additional Participating Persons:	MORGAN BROWN; ROCHESTER , NY
Original Publish Date:	May 3, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=37016

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