



National Transportation Safety Board Aviation Accident Data Summary

Location:	MERRITT ISLAND, FL	Accident Number:	MIA88LA080
Date & Time:	01/02/1988, 1435 EST	Registration:	N8429H
Aircraft:	BELLANCA 14-13	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PRIVATE PILOT EXPERIENCED A POWER LOSS AFTER TAKEOFF. HE THEN COLLIDED WITH WATER AFTER HITTING A MAST OF A BOAT AND A DOCK. THE PLT STATED THAT HE EXPERIENCED CARBURETOR ICE PRIOR TO THE ENG QUITTING. THE PLT STATED THAT ON AN EARLIER FLT HE HAD PROBLEMS WITH CARB ICE ON THE DOWNWIND LEG OF THE TRAFFIC PATTERN. THIS FLT WAS FOR A TEST OF THE LNDG GEAR. HE STATED THAT ANOTHER ACFT ON A X-COUNTRY HAD USED CARB HEAT FOR THE ENTIRE TRIP. HE STATED IN HIS RECOMMENDATION FOR PREVENTION TO USE CARB HEAT FOR TAKEOFF IN SIMILAR TEMP/DP CONDITIONS.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) FUEL SYSTEM,CARBURETOR - ICE
2. (C) CARBURETOR HEAT - IMPROPER USE OF - PILOT IN COMMAND
3. (F) WEATHER CONDITION - CARBURETOR ICING CONDITIONS

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: DESCENT - EMERGENCY

Findings

4. (F) OBJECT - POLE

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Pilot Information

Certificate:	Private	Age:	63
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1500 hours (Total, all aircraft), 800 hours (Total, this make and model), 800 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BELLANCA	Registration:	N8429H
Model/Series:	14-13 14-13	Engines:	1 Reciprocating
Operator:	WILLIAM H. BROWN	Engine Manufacturer:	FRANKLIN
Operating Certificate(s) Held:	None	Engine Model/Series:	6A5-165-B3
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:	MCO, 34 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 7000 ft agl	Wind Speed/Gusts, Direction:	6 knots / , 50°
Temperature:		Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	MERRITT ISLAND, FL (COI)	Destination:	MELBORUNE, FL (MLB)

Wreckage and Impact Information

Crew Injuries:	1 Minor	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):	ANDREW A ALSTON	Adopted Date:	04/25/1989
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 pubin@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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