



National Transportation Safety Board Aviation Accident Final Report

Location:	MERRITT ISLAND, FL	Accident Number:	MIA88LA080
Date & Time:	01/02/1988, 1435 EST	Registration:	N8429H
Aircraft:	BELLANCA 14-13	Aircraft Damage:	Substantial
Defining Event:		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 and Findings

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

Factual Information

Pilot Information

Certificate:	Private	Age:	63, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	04/30/1987
Occupational Pilot:		Last Flight Review or Equivalent:	
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	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	1062
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	Annual	Certified Max Gross Wt.:	2600 lbs
Time Since Last Inspection:	2 Hours	Engines:	1 Reciprocating
Airframe Total Time:	3825 Hours	Engine Manufacturer:	FRANKLIN
ELT:	Installed, not activated	Engine Model/Series:	6A5-165-B3
Registered Owner:	WILLIAM H. BROWN	Rated Power:	140 hp
Operator:	WILLIAM H. BROWN	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MCO, 34 ft msl	Distance from Accident Site:	31 Nautical Miles
Observation Time:	1355 EST	Direction from Accident Site:	274°
Lowest Cloud Condition:	Scattered / 3000 ft agl	Visibility	10 Miles
Lowest Ceiling:	Broken / 7000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	50°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	MERRITT ISLAND, FL (COI)	Type of Flight Plan Filed:	None
Destination:	MELBORUNE, FL (MLB)	Type of Clearance:	None
Departure Time:	1430 EST	Type of Airspace:	Class D

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
Total Injuries:	1 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	ANDREW A ALSTON	Report Date:	04/25/1989
Additional Participating Persons:	L. OLIVER; ORLANDO, FL		
Publish Date:			
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 pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).