



National Transportation Safety Board Aviation Accident Data Summary

Location:	DELAWARE, OH	Accident Number:	NYC91LA146
Date & Time:	06/01/1991, 2000 EDT	Registration:	N2858N
Aircraft:	CESSNA 120	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

AT ABOUT 30 FEET ABOVE THE GROUND AFTER A TOUCH AND GO LANDING, THE ENGINE LOST POWER. THE PILOT PULLED CARBURETOR HEAT AND THE ENGINE POWER RESUMED MOMENTARILY, THEN POWER WAS LOST AGAIN. HE PERFORMED A FORCED LANDING IN TREES. THE TEMPERATURE WAS 85 DEGREES F AND DEW POINT 69 DEGREES F. THIS TEMPERATURE/DEW POINT COMBINATION WAS CONDUCIVE TO CARBURETOR ICING.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: CARBURETOR ICE AND THE PILOT IN COMMAND'S IMPROPER USE OF CARBURETOR HEAT. A FACTOR IN THE ACCIDENT WAS THE CARBURETOR ICING CONDITIONS.

Findings

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

Findings

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

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: LANDING

Findings

4. OBJECT - TREE(S)

Pilot Information

Certificate:	Private	Age:	40
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	750 hours (Total, all aircraft), 500 hours (Total, this make and model), 700 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N2858N
Model/Series:	120 120	Engines:	1 Reciprocating
Operator:	DAVID H. BIRCH	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	C-85-12F
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Dusk
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 135°
Temperature:	29° C	Visibility	0 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Airport Information

Airport:	DELAWARE (DL2)	Runway Surface Type:	Asphalt
Runway Used:	28	Runway Surface Condition:	Dry
Runway Length/Width:	3500 ft / 50 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): Alan J Yurman

Adopted Date: 03/31/1993

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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