



National Transportation Safety Board Aviation Accident Final Report

Location:	MILLIS, MA	Accident Number:	NYC90LA044
Date & Time:	01/02/1990, 1030 EST	Registration:	N9241U
Aircraft:	CESSNA 150	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

THE STUDENT PILOT EXPERIENCED A POWER LOSS ON TAKEOFF AT 500 FEET AND MADE A FORCED LANDING IN A GRAVEL PIT. THE ENGINE WAS TEST RUN SATISFACTORILY AFTER THE ACCIDENT. THE CLOSEST RECORDED WEATHER WAS 25 MILES AWAY AND HAD A TEMPERATURE OF 28 DEGREES F AND A DEWPOINT OF 16 DEGREES F. HOWEVER THE FAA REPORTED THE DEWPOINT WAS NOT REPRESENTATIVE OF THE AIRPORT WHICH IS TYPICALLY MORE HUMID DUE TO THE CLOSE PROXIMITY OF PONDS AND STREAMS.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S IMPROPER USE OF CARBURETOR HEAT WHICH CAUSED A POWER LOSS AND A FORCED LANDING IN UNSUITABLE TERRAIN. FACTORS RELATED TO THE ACCIDENT WERE CARBURETOR ICING CONDITIONS AND THE PILOTS LACK OF TOTAL EXPERIENCE.

Findings

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

Findings

1. (C) WEATHER CONDITION - CARBURETOR ICING CONDITIONS
2. (C) CARBURETOR HEAT - IMPROPER USE OF - PILOT IN COMMAND
3. LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

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

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

4. (F) TERRAIN CONDITION - NONE SUITABLE

Factual Information

Pilot Information

Certificate:	Student	Age:	55, Male
Airplane Rating(s):	None	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	08/04/1984
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	63 hours (Total, all aircraft), 63 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N9241U
Model/Series:	150 150	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	15078191
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	1600 lbs
Time Since Last Inspection:	0 Hours	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated	Engine Model/Series:	O-200A
Registered Owner:		Rated Power:	100 hp
Operator:	AVIATION EAST	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ORH, 1009 ft msl	Distance from Accident Site:	25 Nautical Miles
Observation Time:	1035 EST	Direction from Accident Site:	315°
Lowest Cloud Condition:	Scattered / 3000 ft agl	Visibility	30 Miles
Lowest Ceiling:	Broken / 7000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	15 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	-2° C / -9° C
Precipitation and Obscuration:			
Departure Point:	NORFOLK, MA (MA07)	Type of Flight Plan Filed:	None
Destination:	JAFFERY, NH (AFN)	Type of Clearance:	None
Departure Time:	1030 EST	Type of Airspace:	

Airport Information

Airport:	NORFOLK (MA07)	Runway Surface Type:	
Airport Elevation:	0 ft	Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced Landing

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):	CHAUNCEY D TWINE, JR.	Report Date:	03/12/1993
Additional Participating Persons:			
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 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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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](#).