



National Transportation Safety Board Aviation Accident Data Summary

Location:	LONGMONT, CO	Accident Number:	FTW94LA088
Date & Time:	03/01/1994, 0545 MST	Registration:	N2181Q
Aircraft:	CESSNA 177RG	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

DURING INITIAL CLIMB FOLLOWING TAKEOFF, THE AIRCRAFT STALLED AND IMPACTED TERRAIN OFF THE END OF THE RUNWAY. EXAMINATION BY THE LOCAL POLICE, WITHIN 20 MINUTES FOLLOWING THE ACCIDENT, PROVIDED EVIDENCE OF ICE ON ALL AIRCRAFT SURFACES. THE PILOT ALSO STATED THAT HE HAD FAILED TO PROPERLY REMOVE ICE FROM THE AIRCRAFT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: AN INADVERTENT STALL DUE TO IMPROPER PREFLIGHT AND THE PILOT'S FAILURE TO ADEQUATELY REMOVE ICE FROM THE AIRCRAFT. A FACTOR WAS AIRFRAME ICING.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) FLIGHT CONTROL SURFACES/ATTACHMENTS - ICE
2. (F) FUSELAGE - ICE
3. (F) WING - ICE
4. (C) AIRCRAFT PREFLIGHT - IMPROPER - PILOT IN COMMAND
5. (C) ICE/FROST REMOVAL FROM AIRCRAFT - INADEQUATE - PILOT IN COMMAND
6. (C) STALL - INADVERTENT - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

7. TERRAIN CONDITION - OPEN FIELD

Pilot Information

Certificate:	Commercial	Age:	31
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1161 hours (Total, all aircraft), 110 hours (Total, this make and model), 504 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N2181Q
Model/Series:	177RG 177RG	Engines:	1 Reciprocating
Operator:	DEBRUZZI, MICHAEL S.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-360-A1E6D
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Bright
Observation Facility, Elevation:	BJC, 5500 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 210°
Temperature:	-4° C	Visibility	20 Miles
Precipitation and Obscuration:			
Departure Point:	Destination: MONTEVIDEO, MN (MVE)		

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	NORMAN F WIEMEYER ,	Adopted Date:	02/14/1995
Investigation Docket:	NTSB accident and incident docket 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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