



National Transportation Safety Board Aviation Accident Final Report

Location:	LITTLE FALLS, MN	Accident Number:	MKC89LA032
Date & Time:	12/02/1988, 1100 CST	Registration:	N65642
Aircraft:	CESSNA 172	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

WHILE ATTEMPTING A TOUCH AND GO LDG DURING A STUDENT SOLO CROSS COUNTRY FLT, DIRECTIONAL CONTROL WAS LOST DURING THE TAKEOFF PHASE ON THE SNOW PACKED RUNWAY. THE STUDENT PILOT SAID HE HAD NEVER LANDED AND TAKEN OFF UNDER THOSE RUNWAY CONDITIONS. THE ACFT SWERVED TO THE LEFT, COLLIDED WITH A SNOW BANK AND FLIPPED INVERTED, SUBSTANTIALLY DAMAGING THE ACFT.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. TOUCH-AND-GO - INITIATED
 2. (F) TERRAIN CONDITION - SNOW COVERED
 3. (C) AIRCRAFT CONTROL - NOT MAINTAINED - PILOT IN COMMAND
 4. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

5. TERRAIN CONDITION - SNOWBANK
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Occurrence #3: NOSE OVER
Phase of Operation: TAKEOFF - ROLL/RUN

Factual Information

Pilot Information

Certificate:	Student	Age:	57, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	06/19/1988
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	52 hours (Total, all aircraft), 52 hours (Total, this make and model), 7 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N65642
Model/Series:	172 172	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal; Utility	Serial Number:	17275795
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	100 Hour	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:	35 Hours	Engines:	1 Reciprocating
Airframe Total Time:	2935 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-320-D2J
Registered Owner:	CROWLEY, JAMES J.	Rated Power:	160 hp
Operator:	FLYING SCOTCHMAN	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BRD, 1226 ft msl	Distance from Accident Site:	30 Nautical Miles
Observation Time:	1150 CST	Direction from Accident Site:	15°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	0° C / -4° C
Precipitation and Obscuration:			
Departure Point:	MINNEAPOLIS, MN (MIC)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1000 CST	Type of Airspace:	Class G

Airport Information

Airport:	LITTLE FALLS (LXL)	Runway Surface Type:	Asphalt
Airport Elevation:		Runway Surface Condition:	Snow--compacted
Runway Used:	12	IFR Approach:	None
Runway Length/Width:	4000 ft / 75 ft	VFR Approach/Landing:	Touch and Go

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
Total Injuries:	1 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	JOHN R HRUBAN	Report Date:	09/25/1989
Additional Participating Persons:	JOHN VERGENZ		
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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