



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	REYNOLDS, ND	<b>Accident Number:</b>	DEN88LA060
<b>Date &amp; Time:</b>	02/01/1988, 1645 CST	<b>Registration:</b>	N11312
<b>Aircraft:</b>	CESSNA 150L	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Analysis

THE PILOT MADE A LOW PASS OVER A NEIGHBOR'S FARM AIRSTRIP. HE SAID HE APPLIED CARBURETOR HEAT AND SLOWED THE AIRPLANE TO 70 KIAS, USING 20 DEGREES OF FLAPS AND 1400 RPM. THE REPORTED OUTSIDE AIR TEMPERATURE WAS -10 DEGREES AND THE DEW POINT WAS -20 DEGREES. THE PILOT THEN MADE A SLIGHT RIGHT TURN AND INITIATED A CLIMB. HE SAID HE CLOSED THE CARBURETOR HEAT AND ABRUPTLY PUSHED THE THROTTLE FORWARD. THE ENGINE BEGAN RUNNING ROUGH. THE PILOT THEN RETARDED THE THROTTLE AND APPLIED CARBURETOR HEAT AGAIN. THE ENGINE DID NOT RESPOND. THE PILOT WAS FORCED TO MAKE A LANDING IN AN OPEN, SNOW-COVERED FIELD. THE AIRPLANE TOUCHED DOWN AND THE PILOT KEPT THE NOSE WHEEL OFF THE GROUND BY HOLDING BACK PRESSURE ON THE CONTROL YOKE. WHEN THE NOSE WHEEL SETTLED TO THE GROUND, IT SNAPPED OFF IN THE 1-FOOT DEEP SNOW AND THE AIRPLANE FLIPPED OVER.

## Probable Cause

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

## Findings

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

### Findings

1. (F) WEATHER CONDITION - TEMPERATURE EXTREMES
2. LOW PASS - PERFORMED - PILOT IN COMMAND
3. CLIMB - INITIATED - PILOT IN COMMAND
4. (C) CARBURETOR HEAT - IMPROPER USE OF - PILOT IN COMMAND
5. (C) THROTTLE/POWER CONTROL - ABRUPT - PILOT IN COMMAND

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

Occurrence #3: NOSE OVER  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

### Findings

- 6. (C) TERRAIN CONDITION - SNOW COVERED
- 7. LANDING GEAR, NOSE GEAR - SEPARATION

### Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	29
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	65 hours (Total, all aircraft), 39 hours (Total, this make and model), 32 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N11312
<b>Model/Series:</b>	150L 150L	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	NODAK FLYING CLUB	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	O-200-A
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

### Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	GFK, 844 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	None / 0 ft agl	<b>Wind Speed/Gusts, Direction:</b>	9 knots / , 280°
<b>Temperature:</b>	-12°C	<b>Visibility</b>	15 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	GRAND FORKS, ND (GFK)	<b>Destination:</b>	

### Airport Information

<b>Airport:</b>	JENSON (NA01)	<b>Runway Surface Type:</b>	Grass/turf; Snow
<b>Runway Used:</b>	35	<b>Runway Surface Condition:</b>	Snow--compacted
<b>Runway Length/Width:</b>	2500 ft / 50 ft		

### Wreckage and Impact Information

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

## Administrative Information

Investigator In Charge (IIC): ARNOLD W SCOTT

Adopted Date: 03/30/1989

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](mailto: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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