



National Transportation Safety Board Aviation Accident Data Summary

Location:	ROCKFORD, IL	Accident Number:	CHI82DA288
Date & Time:	08/01/1982, 1730 CDT	Registration:	N5286L
Aircraft:	PIPER PA-28-180	Injuries:	5 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE AIRCRAFT BEGAN TO SETTLE OR MUSH AFTER TAKEOFF SO THE PILOT MADE A LANDING IN A SCHOOL YARD. POST ACCIDENT EXAMINATION FAILURE TO REVEAL ANY EVIDENCE OF ENGINE MALFUNCTION ALTHOUGH PILOT CLAIMED HE LOST POWER. THE AIRCRAFT WAS ABOUT 80 LBS. BELOW MAXIMUM GROSS WEIGHT.

Probable Cause

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

Findings

Occurrence #1: LOSS OF ENGINE POWER

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: FORCED LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

2. STALL/MUSH - CONTINUED - PILOT IN COMMAND

Occurrence #3: COMPLETE GEAR COLLAPSED

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

3. LANDING GEAR, MAIN GEAR - OVERLOAD

4. LANDING GEAR, NOSE GEAR - OVERLOAD

Pilot Information

Certificate:	Private	Age:	23
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):		Instructor Rating(s):	None
Flight Time:	170 hours (Total, all aircraft), 170 hours (Total, this make and model), 110 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N5286L
Model/Series:	PA-28-180 PA-28-180	Engines:	1 Reciprocating
Operator:	RALPH ALCORN	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:		Engine Model/Series:	O-360-A4A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	RFD, 0 ft msl	Weather Information Source:	Unknown
Lowest Ceiling:	Broken / 10000 ft agl	Wind Speed/Gusts, Direction:	11 knots / , 190°
Temperature:	84° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	ROCKFORD, IL (1C8)	Destination:	LANCASTER, WI (73C)

Airport Information

Airport:	COTTONWOOD (1C8)	Runway Surface Type:	Grass/turf
Runway Used:	18	Runway Surface Condition:	Dry
Runway Length/Width:	2600 ft / 200 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	4 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):

Adopted Date: 08/01/1983

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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