



National Transportation Safety Board Aviation Accident Data Summary

Location:	CADILLAC, MI	Accident Number:	CHI91LA238
Date & Time:	08/01/1991, 1500 EDT	Registration:	N76535
Aircraft:	CESSNA 140	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

THE STUDENT PILOT SAID THAT AFTER THREE GO AROUNDS, SHE ATTEMPTED A LANDING ON THE SOD STRIP. THE AIRCRAFT ROLLED A SHORT DISTANCE THEN NOSED OVER. THE LANDING WAS ATTEMPTED IN A 90 DEGREE CROSSWIND OF 13 KNOTS GUSTING TO 20 KNOTS.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER COMPENSATION FOR WIND CONDITIONS RESULTING IN AIRCRAFT CONTROL NOT BEING MAINTAINED. FACTORS RELATED TO THE ACCIDENT WERE A GUSTY CROSSWIND CONDITION AND LACK OF TOTAL EXPERIENCE BY THE PILOT.

Findings

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

Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (F) WEATHER CONDITION - GUSTS
3. (C) COMPENSATION FOR WIND CONDITIONS - IMPROPER - PILOT IN COMMAND
4. (C) AIRCRAFT CONTROL - NOT MAINTAINED - PILOT IN COMMAND
5. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

Pilot Information

Certificate:	Student	Age:	20
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	26 hours (Total, all aircraft), 26 hours (Total, this make and model), 6 hours (Pilot In Command, all aircraft), 26 hours (Last 90 days, all aircraft), 26 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N76535
Model/Series:	140 140	Engines:	1 Reciprocating
Operator:	BRUCE J. BARLOND	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	C-85
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CAD, 1 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	13 knots / 20 knots, 270°
Temperature:		Visibility:	10 Miles
Precipitation and Obscuration:			
Departure Point:	MARSHALL, MI (5D8)	Destination:	

Airport Information

Airport:	CADILLAC (CAD)	Runway Surface Type:	Grass/turf
Runway Used:	18	Runway Surface Condition:	Dry
Runway Length/Width:	2005 ft / 150 ft		

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
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	John Hruban	Adopted Date:	12/04/1992
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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