



National Transportation Safety Board Aviation Accident Data Summary

Location:	PLAINFIELD, IL	Accident Number:	CHI90LA122
Date & Time:	05/02/1990, 1830 CDT	Registration:	N54093
Aircraft:	CESSNA 172P	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

THE SOLO STUDENT PILOT STATED THAT THE AIRCRAFT DEVELOPED A HIGH SINK RATE DURING THE LANDING SEQUENCE, WHICH RESULTED IN A HARD, BOUNCED LANDING. THE AIRCRAFT VEERED OFF THE RUNWAY BEFORE IT CAME TO A STOP. THE STUDENT PILOT REPORTED A TOTAL FLIGHT TIME OF 38 HOURS, OF WHICH 6.4 HOURS WERE AS PILOT-IN-COMMAND.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE STUDENT'S IMPROPER FLARE, IMPROPER RECOVERY FROM A BOUNCED LANDING, AND FAILURE TO MAINTAIN DIRECTIONAL CONTROL. THE CROSSWIND WAS A RELATED FACTOR.

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (C) FLARE - IMPROPER - PILOT IN COMMAND
3. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING

Findings

4. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Pilot Information

Certificate:	Student	Age:	36
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	38 hours (Total, all aircraft), 7 hours (Total, this make and model), 7 hours (Pilot In Command, all aircraft), 2 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N54093
Model/Series:	172P 172P	Engines:	1 Reciprocating
Operator:	A & M AVIATION	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320-D2J
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:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	8 knots / , 270°
Temperature:	18°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	PLAINFIELD, IL (1C5)	Destination:	

Airport Information

Airport:	CLOW INTERNATIONAL (1C5)	Runway Surface Type:	Asphalt
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	3370 ft / 50 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): JODI L REEVES

Adopted Date: 09/29/1992

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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