



National Transportation Safety Board Aviation Accident Data Summary

Location:	ALLEGAN, MI	Accident Number:	CHI89LA067
Date & Time:	04/02/1989, 1220 EDT	Registration:	N9504T
Aircraft:	PIPER PA-38-112	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

THE CFI REPORTED THAT THE DUAL STUDENT PILOT INITIATED THE TAKEOFF ROLL WITH AILERON INTO THE WIND (LEFT AILERON), BUT THAT HE RELAXED AILERON PRESSURE PREMATURELY. WHEN INSTRUCTED TO INCREASE LEFT AILERON, THE STUDENT REACTED BY APPLYING LEFT RUDDER & LEFT BRAKE. AT THAT TIME, THE ACFT WAS ESTIMATED TO BE TRAVELING ABOUT 45 TO 50 MPH. THE ACFT SWERVED TO THE LEFT & THE CFI WAS UNABLE TO REGAIN DIRECTIONAL CONTROL. SUBSEQUENTLY, THE ACFT WENT OFF THE LEFT SIDE OF THE RWY, ENCOUNTERED 'SOFT GRASS' & WAS DAMAGED. THE STUDENT HAD ONLY 4 HRS OF FLT TIME. THE CFI HAD OBTAINED HIS CFI RATING ON 12/20/88 & HAD ACCUMULATED 82 HRS OF INSTRUCTION SINCE THAT TIME.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER USE OF FLIGHT CONTROLS BY THE STUDENT PILOT, WHICH RESULTED IN HIS LOSS OF DIRECTIONAL CONTROL AND AN INADVERTENT GROUND SWERVE; AND THE INSTRUCTOR PILOT'S (CFI'S) INADEQUATE SUPERVISION. FACTORS RELATED TO THE ACCIDENT WERE: THE CROSSWIND CONDITION, THE STUDENT PILOT'S LACK OF TOTAL EXPERIENCE, THE CFI'S LACK OF EXPERIENCE IN THE TYPE OF OPERATION, AND SOFT TERRAIN.

Findings

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

Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (C) FLIGHT CONTROLS - IMPROPER USE OF - DUAL STUDENT
3. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - DUAL STUDENT
4. (C) GROUND LOOP/SWERVE - INADVERTENT - DUAL STUDENT
5. (F) LACK OF TOTAL EXPERIENCE - DUAL STUDENT
6. (C) SUPERVISION - INADEQUATE - PILOT IN COMMAND(CFI)
7. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND(CFI)

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF

Findings

8. (F) TERRAIN CONDITION - SOFT

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	26
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine
Flight Time:	591 hours (Total, all aircraft), 53 hours (Total, this make and model), 539 hours (Pilot In Command, all aircraft), 71 hours (Last 90 days, all aircraft), 43 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N9504T
Model/Series:	PA-38-112 PA-38-112	Engines:	1 Reciprocating
Operator:	ROBLIN ENTERPRISES, INC.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-235-L2C
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:	GRR, 794 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 3300 ft agl	Wind Speed/Gusts, Direction:	13 knots / , 250°
Temperature:	11° C	Visibility:	12 Miles
Precipitation and Obscuration:			
Departure Point:	(35D)	Destination:	

Airport Information

Airport:	PADGHAM FIELD (35D)	Runway Surface Type:	Asphalt
Runway Used:	28	Runway Surface Condition:	Dry
Runway Length/Width:	3500 ft / 75 ft		

Wreckage and Impact Information

Crew Injuries:	2 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: 01/22/1991

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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