



National Transportation Safety Board Aviation Accident Final Report

Location:	ALLEGAN, MI	Accident Number:	CHI89LA067
Date & Time:	04/02/1989, 1220 EDT	Registration:	N9504T
Aircraft:	PIPER PA-38-112	Aircraft Damage:	Substantial
Defining Event:		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 and Findings

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

Factual Information

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	26, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	11/22/1988
Occupational Pilot:		Last Flight Review or Equivalent:	
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	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	38-78A0119
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	03/09/1989, 100 Hour	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:	40 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1770 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-235-L2C
Registered Owner:	ROBLIN ENTERPRISES INC	Rated Power:	112 hp
Operator:	ROBLIN ENTERPRISES, INC.	Operating Certificate(s) Held:	None
Operator Does Business As:	GRANDPA'S FLYING SERVICE	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	GRR, 794 ft msl	Distance from Accident Site:	24 Nautical Miles
Observation Time:	1150 EDT	Direction from Accident Site:	35°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	12 Miles
Lowest Ceiling:	Overcast / 3300 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	13 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	11° C / 0° C
Precipitation and Obscuration:			
Departure Point:	(35D)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1220 EDT	Type of Airspace:	Class G

Airport Information

Airport:	PADGHAM FIELD (35D)	Runway Surface Type:	Asphalt
Airport Elevation:	706 ft	Runway Surface Condition:	Dry
Runway Used:	28	IFR Approach:	None
Runway Length/Width:	3500 ft / 75 ft	VFR Approach/Landing:	None

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
Total Injuries:	2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	JODI L REEVES	Report Date:	01/22/1991
Additional Participating Persons:			
Publish Date:			
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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