



Aviation Investigation Final Report

Location:	INDIANAPOLIS, Indiana	Accident Number:	CHI89LA130
Date & Time:	July 9, 1989, 20:00 Local	Registration:	N2545A
Aircraft:	PIPER PA-38-112	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

THE STUDENT PLT ON A SOLO FLT WAS ATTEMPTING A TOUCH-AND-GO LANDING, FLARED HIGH AND BOUNCED. HE ATTEMPTED TO RECOVER FROM THE BOUNCED LANDING WITH A POWER ADDITION AND REDUCTION. WHEN HE SAW HE WAS GOING TO BOUNCE AGAIN, HE MADE TWO ADDITIONAL POWER APPLICATIONS AND REDUCTIONS. HE LOST DIRECTIONAL CONTROL TO THE LEFT WHEN THE LEFT WHEEL TOUCHED DOWN ON THE RUNWAY WITH FULL POWER ON THE AIRCRAFT. HE LANDED OFF THE RUNWAY AND STRUCK A FENCE POST WITH THE RIGHT WING. THE STUDENT HAD 6 HOURS SOLO TIME AT THE TIME OF THE ACCIDENT.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER RECOVERY FROM A BOUNCED LANDING AND FAILURE TO MAINTAIN DIRECTIONAL CONTROL BY THE PILOT. THE STUDENT PILOT'S LACK OF FLIGHT EXPERIENCE CONTRIBUTED TO THE ACCIDENT.

Findings

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

Findings

1. TOUCH-AND-GO - PERFORMED - PILOT IN COMMAND

2. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND
 3. (F) FLARE - MISJUDGED - PILOT IN COMMAND
 4. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND
 5. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ABORTED

Findings

6. OBJECT - FENCE POST

Factual Information

Pilot Information

Certificate:	Student	Age:	42, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	May 30, 1989
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	30 hours (Total, all aircraft), 24 hours (Total, this make and model), 6 hours (Pilot In Command, all aircraft), 29 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N2545A
Model/Series:	PA-38-112 PA-38-112	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	38-7A0746
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	May 20, 1989 100 hour	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:	89 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2530 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-235-L2C
Registered Owner:	GREENWOOD FLITE CENTER INC	Rated Power:	112 Horsepower
Operator:	GREENWOOD FLIGHT CENTER	Operating Certificate(s) Held:	None
Operator Does Business As:	GREENWOOD FLIGHT CENTER	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	IND ,797 ft msl	Distance from Accident Site:	11 Nautical Miles
Observation Time:	19:50 Local	Direction from Accident Site:	320°
Lowest Cloud Condition:	Clear	Visibility	3 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	210°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	28°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	19:50 Local	Type of Airspace:	Class G

Airport Information

Airport:	GREENWOOD MUNI. SI1	Runway Surface Type:	Asphalt
Airport Elevation:	830 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	3475 ft / 50 ft	VFR Approach/Landing:	Touch and go;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	39.670509,-86.130653(est)

Administrative Information

Investigator In Charge (IIC):	Doub, Mark
Additional Participating Persons:	BILL DEVINE; INDIANAPOLIS , IN
Original Publish Date:	October 24, 1990
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=14378

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