



National Transportation Safety Board Aviation Accident Final Report

Location:	Devils Lake, ND	Accident Number:	CHI02LA045
Date & Time:	12/03/2001, 1410 CST	Registration:	N248ND
Aircraft:	Piper PA-28-161	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

The airplane contacted a runway light with the left wing following a loss of directional control during the takeoff phase of a touch and go landing. The student pilot reported the airplane touched down 1/3 (1,800 feet) down the runway during the landing. He reported the airplane veered to the left when he applied power for takeoff. He reported he reduced the power to idle and attempted to stop the airplane, but it continued off the side of the runway where it contacted the runway light. The landing was being made on runway 31. The winds reported at the airport 5 minutes after the accident were from 160 degrees at 11 knots. The pilot reported the winds were from 140 degrees at 10 knots. The student pilot had a total flight time of 31 hours and was on a solo cross-country flight when the accident occurred.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's failure to maintain directional control of the airplane during the takeoff phase of a touch and go landing. Factors associated with the accident were the student's lack of total experience and the runway light which the airplane contacted.

Findings

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

Findings

1. TOUCH-AND-GO - ATTEMPTED - PILOT IN COMMAND
2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
3. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

4. (F) OBJECT - RUNWAY LIGHT

Factual Information

On December 3, 2001, at 1410 central standard time, a Piper PA-28-161, N248ND, operated by the University of North Dakota, collided with a runway light during a touch and go landing. The accident occurred while the student pilot was landing on runway 31 (5,509 feet by 150 feet, dry asphalt) at the Devils Lake Municipal Airport, Devils Lake, North Dakota. The student pilot was not injured and the airplane received substantial damage. Visual meteorological conditions prevailed and a VFR flight plan was filed for the solo cross-country flight. The flight originated from Grand Forks, North Dakota, at 1300.

The student pilot reported that he received the local weather from the automated weather observing system upon arriving in the Devils Lake area. He then circled the airport to check the windsock prior to entering the traffic pattern for runway 31. The pilot reported the airplane touched down approximately 1/3 (approximately 1,800 feet) down the runway during the landing. He reported the airplane veered to the left when he applied full power for the takeoff portion of the touch and go. The pilot reported he reduced the power to idle and attempted to stop the airplane; however, it continued off the side of the runway where it contacted a runway light with the left wing.

The winds reported at Devils Lake Municipal Airport at 1415, were from 160 degrees at 11 knots. The pilot reported the winds were from 140 degrees at 10 knots.

Pilot Information

Certificate:	Student	Age:	22, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	05/23/2001
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	31 hours (Total, all aircraft), 31 hours (Total, this make and model), 3 hours (Pilot In Command, all aircraft), 31 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N248ND
Model/Series:	PA-28-161	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	2842058
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	11/09/2001, 100 Hour	Certified Max Gross Wt.:	2440 lbs
Time Since Last Inspection:	44 Hours	Engines:	1 Reciprocating
Airframe Total Time:	2081 Hours	Engine Manufacturer:	Avco Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-320-D3G
Registered Owner:	University of North Dakota	Rated Power:	160 hp
Operator:	University of North Dakota	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	DVL, 1455 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1415 CST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	11 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.57 inches Hg	Temperature/Dew Point:	4° C / -2° C
Precipitation and Obscuration:			
Departure Point:	Grand Forks, ND (GFK)	Type of Flight Plan Filed:	VFR
Destination:	Devils Lake, ND (DVL)	Type of Clearance:	None
Departure Time:	1300 CST	Type of Airspace:	Class D

Airport Information

Airport:	Devils Lake Municipal (DVL)	Runway Surface Type:	Asphalt
Airport Elevation:	1455 ft	Runway Surface Condition:	Dry
Runway Used:	31	IFR Approach:	None
Runway Length/Width:	5509 ft / 150 ft	VFR Approach/Landing:	Touch and Go; Traffic Pattern

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
Total Injuries:	1 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	Pamela S Sullivan	Report Date:	07/15/2002
Additional Participating Persons:	John Vold; FAA; Fargo, ND		
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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