



National Transportation Safety Board Aviation Accident Data Summary

Location:	Willimantic, CT	Accident Number:	IAD05LA009
Date & Time:	11/02/2004, 1130 EST	Registration:	N1811N
Aircraft:	Cessna 120	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The commercial pilot was rated in helicopters only, and was receiving instruction in airplanes. He had accrued 8 hours of total airplane time, all of which was in the tail-wheeled accident airplane. During this instructional flight, the pilot demonstrated difficulty with proper brake control, and the instructor elected to practice braking and turning. While they taxied forward at 15 mph, the instructor asked the pilot to turn the airplane around. The pilot initiated an immediate right turn to reverse direction that oriented the tail into the wind. The tail rose up in the turn and the airplane continued around and over onto its nose. The pilot said that he intended to slow the airplane before the turn, but that his braking was "uneven", and resulted in a "hard" right turn and the nose over. Both pilots reported that there were no mechanical difficulties with the airplane.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's loss of directional control due to his uneven application of brakes. A factor in the accident was the tailwind.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: TAXI

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. (C) BRAKES(NORMAL) - INADEQUATE - PILOT IN COMMAND

Occurrence #2: NOSE OVER

Phase of Operation: TAXI

Findings

3. (F) WEATHER CONDITION - TAILWIND
4. GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND

Flight Instructor Information

Certificate:	Flight Instructor; Commercial	Age:	29
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
Flight Time:	1379 hours (Total, all aircraft), 75 hours (Total, this make and model), 1278 hours (Pilot In Command, all aircraft), 88 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Pilot Information

Certificate:	Commercial	Age:	
Airplane Rating(s):	None	Instrument Rating(s):	Helicopter
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	Helicopter
Flight Time:	1379 hours (Total, all aircraft), 75 hours (Total, this make and model), 88 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N1811N
Model/Series:	120	Engines:	1 Reciprocating
Operator:	Adam Van Voorhis	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	None	Engine Model/Series:	C85
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:	HFD, 240 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 5500 ft agl	Wind Speed/Gusts, Direction:	3 knots / , 180°
Temperature:	7°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	WILLIMANTIC, CT (IJD)	Destination:	WILLIMANTIC, CT (IJD)

Airport Information

Airport:	Windham (IJD)	Runway Surface Type:	Asphalt
Runway Used:	27	Runway Surface Condition:	Dry
Runway Length/Width:	4278 ft / 100 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:	41.743889, -72.180000		

Administrative Information

Investigator In Charge (IIC):	Brian C Rayner	Adopted Date:	04/28/2005
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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