



National Transportation Safety Board Aviation Accident Final Report

Location:	Alton, IL	Accident Number:	CHI03LA045
Date & Time:	01/03/2003, 1200 CST	Registration:	N2724R
Aircraft:	Cessna 182S	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

The airplane was substantially damaged when it departed the runway surface and impacted a snowbank. The student pilot, on a solo flight, reported that he had completed one takeoff and landing, and was attempting to takeoff again when the accident occurred. He stated that he had applied full power, when the airplane "started veering to the left." The pilot noted that he was afraid of overcontrolling and did not apply brakes. "When I realized I was headed off of [the] runway, I pulled power and hit 15" high snow bank," the pilot reported. He also stated that the ATIS received prior to taxi reported braking action as "poor" on runway 35. The pilot noted that there were no failures or malfunctions associated with the airplane, either prior to, or 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: Failure of the pilot-in-command to maintain directional control during the takeoff roll. Contributing factors were the wet, icy runway conditions and the presence of the snowbank.

Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. (F) AIRPORT FACILITIES,RUNWAY/LANDING AREA CONDITION - ICY
3. (F) AIRPORT FACILITIES,RUNWAY/LANDING AREA CONDITION - WET
4. (F) TERRAIN CONDITION - SNOWBANK

Factual Information

On January 3, 2003, approximately 1200 cst, a Cessna 182S (Skylane), N2724R, piloted by a student pilot, was substantially damaged when it departed the runway surface and impacted a snowbank at the St. Louis Regional Airport (ALN), Alton, Illinois. The pilot was practicing takeoffs and landings on runway 35 (6,500 feet x 100 feet, asphalt) and was attempting a takeoff when the accident occurred. Visual meteorological conditions prevailed at the time of the accident. The solo-instructional flight was conducted under the provisions of 14 CFR Part 91 and was not on a flight plan. The pilot reported no injuries.

In his written statement, the pilot noted that he was practicing takeoffs and landings in the local traffic pattern. He reported completing one takeoff and landing, and was attempting to takeoff again when the accident occurred. The pilot stated: "...after landing I straightened up and applied full power for takeoff Started veering to left and could not bring plane back to center. When I realized I was headed off of [the] runway, I pulled power and hit 15" high snow bank." He noted that he was afraid of overcontrolling and did not apply brakes. He estimated that the airplane's speed was 60 knots when it impacted the snowbank.

The pilot noted that the ALN automatic terminal information service (ATIS) received prior to requesting a taxi clearance reported the braking action on runway 35 as "poor". In his statement, the pilot reported the runway conditions as "ice, wet".

He reported no failures or malfunctions associated with the aircraft, either prior to, or at the time of the accident.

Pilot Information

Certificate:	Student	Age:	46, 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 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	08/29/2002
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	71 hours (Total, all aircraft), 28 hours (Total, this make and model), 9 hours (Pilot In Command, all aircraft), 52 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2724R
Model/Series:	182S	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	18280322
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	11/26/2002, Annual	Certified Max Gross Wt.:	3100 lbs
Time Since Last Inspection:	52 Hours	Engines:	1 Reciprocating
Airframe Total Time:	544 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed	Engine Model/Series:	IO-540-AB1A5
Registered Owner:	R. J. T. Leasing, Inc.	Rated Power:	230 hp
Operator:	R. J. T. Leasing, Inc.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ALN, 544 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1151 CST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Scattered / 4000 ft agl	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.16 inches Hg	Temperature/Dew Point:	-1°C / -7°C
Precipitation and Obscuration:			
Departure Point:	Alton, IL (ALN)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1130 CST	Type of Airspace:	Class D

Airport Information

Airport:	St Louis Regional (ALN)	Runway Surface Type:	Asphalt
Airport Elevation:	544 ft	Runway Surface Condition:	Ice; Wet
Runway Used:	35	IFR Approach:	None
Runway Length/Width:	6500 ft / 100 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:	38.890278, -90.046111

Administrative Information

Investigator In Charge (IIC):	Tim Sorensen	Report Date:	04/23/2003
Additional Participating Persons:	Rick McGuire; FAA -- St. Louis FSDO; St. Ann, MO		
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.ntsbt.gov/pubdms/ .		

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