



National Transportation Safety Board Aviation Accident Data Summary

Location:	Shawnee, OK	Accident Number:	DFW05CA097
Date & Time:	04/02/2005, 1130 CST	Registration:	N5086Q
Aircraft:	Cessna 152	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The 99-hour student pilot, who had logged 2.4 hours of solo time, reported that on final approach to runway 17, his airspeed was 61 knots. He planned on making a normal landing, and when he reached the runway, he "pulled the throttle to idle and flared," but the airplane "hit the ground heavily and jumped back up." The pilot then "lowered the airplane nose and flared again." When the airplane touched down, the student pilot noticed that he was left of the centerline, so he applied right rudder. "Suddenly, the nose gear broke, and the airplane nose fell on the ground." The propeller then hit the ground and stopped, and the airplane came to a stop. The student pilot performed the proper shutdown procedures and exited the airplane, uninjured. Reported winds at the time of the landing on runway 17 were from 200 degrees at 8 knots.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper landing flare and his inadequate recovery from a bounced landing. A factor was the prevailing crosswind.

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (C) FLARE - IMPROPER - PILOT IN COMMAND
3. (C) RECOVERY FROM BOUNCED LANDING - INADEQUATE - PILOT IN COMMAND

Occurrence #2: GEAR COLLAPSED
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Student Pilot Information

Certificate:	Student	Age:	24
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	99 hours (Total, all aircraft), 99 hours (Total, this make and model), 2 hours (Pilot In Command, all aircraft), 38 hours (Last 90 days, all aircraft), 17 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N5086Q
Model/Series:	152	Engines:	1 Reciprocating
Operator:	Spartan Aviation Industries	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-235-L2C
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:	SNL, 1073 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	8 knots / , 200°
Temperature:	19°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Tulsa, OK (RVS)	Destination:	Shawnee, OK (SNL)

Airport Information

Airport:	Shawnee Regional Airport (SNL)	Runway Surface Type:	Asphalt
Runway Used:	17	Runway Surface Condition:	Dry
Runway Length/Width:	5600 ft / 100 ft		

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
Latitude, Longitude:	35.357778, -96.942778		

Administrative Information

Investigator In Charge (IIC):	Alexander Lemishko	Adopted Date:	07/07/2005
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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