



National Transportation Safety Board Aviation Accident Data Summary

Location:	COLUMBIA, SC	Accident Number:	ATL84LA002
Date & Time:	10/01/1983, 1115 EDT	Registration:	N53445
Aircraft:	CESSNA 172P	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

THE STUDENT PLT REPORTED HE WAS PRACTICING TOUCH-AND-GO TAKEOFFS & LANDINGS ON RWY 11. WHILE ROLLING AFTER THE 4TH LANDING, POWER WAS APPLIED FOR TAKEOFF. AT ABOUT THAT TIME, THE ACFT VEERED TO THE LEFT & RAN OFF THE RWY. SUBSEQUENTLY, IT STRUCK A DRAINAGE DITCH & THE NOSE GEAR FAILED. THE ACFT BECAME AIRBORNE MOMENTARILY, TOUCHED DOWN & NOSED OVER.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

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

Findings

1. (F) TOUCH-AND-GO - INITIATED - PILOT IN COMMAND
2. (F) GO-AROUND - INITIATED - PILOT IN COMMAND
3. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
4. (C) GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND
5. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF

Findings

6. (F) TERRAIN CONDITION - DITCH

Occurrence #3: NOSE GEAR COLLAPSED
Phase of Operation: TAKEOFF

Findings

7. (F) LANDING GEAR, NOSE GEAR - OVERLOAD

Occurrence #4: NOSE OVER
Phase of Operation: TAKEOFF

Pilot Information

Certificate:	Student	Age:	39
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	
Other Aircraft Rating(s):		Instructor Rating(s):	
Flight Time:	18 hours (Total, all aircraft), 18 hours (Total, this make and model), 2 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N53445
Model/Series:	172P 172P	Engines:	1 Reciprocating
Operator:	EAGLE AVIATION INC.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320-D2J
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:	CAE, 236 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	4 knots / , 80°
Temperature:	21° C	Visibility:	10 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	

Airport Information

Airport:	COLUMBIA METRO (CAE)	Runway Surface Type:	Asphalt
Runway Used:	11	Runway Surface Condition:	Dry
Runway Length/Width:	8600 ft / 150 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:			

Administrative Information

Investigator In Charge (IIC): ELINOR WARE

Adopted 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/>.

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.