



National Transportation Safety Board Aviation Accident Final Report

Location:	RAVENNA, OH	Accident Number:	CHI86LA001
Date & Time:	10/01/1985, 1445 EDT	Registration:	N5331P
Aircraft:	CESSNA 152	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

ACCORDING TO THE INITIAL SOLO STUDENT PILOT, HE LANDED UNEVENTFULLY, APPLIED TAKEOFF POWER AND REACHED DOWN TO RETRACT THE FLAPS. AS THE AIRCRAFT BEGAN TO ACCELERATE IT BEGAN TO DRIFT TO THE LEFT. THE STUDENT PILOT APPLIED RIGHT RUDDER BUT THE AIRCRAFT CONTINUED TO VEER LEFT OFF THE RUNWAY. THE PILOT CUT THE POWER BUT WAS UNABLE TO STOP BEFORE HITTING A DITCH. THE AIRCRAFT TIPPED OVER ON ITS BACK.

Probable Cause and Findings

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. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. (C) IMPROPER USE OF EQUIPMENT/AIRCRAFT - PILOT IN COMMAND
3. (C) REMEDIAL ACTION - INADEQUATE - PILOT IN COMMAND
4. (C) QUALIFICATION - PILOT IN COMMAND
5. (C) INADEQUATE TRAINING - PILOT IN COMMAND
6. (C) INADEQUATE INITIAL TRAINING - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

7. (F) TERRAIN CONDITION - DITCH

Factual Information

Pilot Information

Certificate:	Student	Age:	21, Male
Airplane Rating(s):	Single-engine Land	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--w/ waivers/lim.	Last FAA Medical Exam:	08/05/1985
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	11 hours (Total, all aircraft), 11 hours (Total, this make and model), 11 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N5331P
Model/Series:	152 152	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	15284917
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	09/23/1985, 100 Hour	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:	10 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1943 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-235-L2C
Registered Owner:	AIRSPECT AIR INC	Rated Power:	110 hp
Operator:	KENT STATE UNIVERSITY	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Dawn
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	7 Miles
Lowest Ceiling:	Overcast / 2500 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	20° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1440 EDT	Type of Airspace:	Class G

Airport Information

Airport:	PORTAGE COUNTY (29G)	Runway Surface Type:	Asphalt
Airport Elevation:	1197 ft	Runway Surface Condition:	Dry
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	3500 ft / 75 ft	VFR Approach/Landing:	Touch and Go

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):	ROBERT P BENZON	Report Date:	
Additional Participating Persons:	M CONLEY; CLEVELAND, OH		
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/ .		

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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).