



Aviation Investigation Final Report

Location:	ELKIN, North Carolina	Accident Number:	ATL96LA072
Date & Time:	March 29, 1996, 13:50 Local	Registration:	N89297
Aircraft:	Cessna 140	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The airplane was landing on runway 07, when the it began to veer to the left. The pilot stated that she applied rudder, but with no effect. The airplane went off the left side of the runway, nosed over, and came to rest inverted. The pilot did not report any mechanical difficulty with the airplane during the flight.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: failure of the pilot to maintain directional control of the airplane during the landing, which resulted in an inadvertent ground swerve.

Findings

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

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. (C) GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND

Occurrence #2: NOSE OVER
Phase of Operation: LANDING

Factual Information

On March 29, 1996, about 1350 eastern standard time, a Cessna 140, N89297, nosed over during the landing roll at Elkin Airport, Elkin, North Carolina. The airplane was operated by the student pilot under the provisions of Title 14 CFR part 91, and visual flight rules. Visual meteorological conditions prevailed. The student pilot was not injured, and the airplane was substantially damaged. The instructional solo flight had originated approximately 5 minutes prior to the accident.

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Pilot Information

Certificate:	Student	Age:	45,Female
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
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:	February 20, 1996
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	27 hours (Total, all aircraft), 27 hours (Total, this make and model), 27 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N89297
Model/Series:	140 140	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	8323
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	November 20, 1995 Annual	Certified Max Gross Wt.:	1500 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1820 Hrs	Engine Manufacturer:	Continental
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	C-85-12
Registered Owner:	GRANDUER MANUFACTURING	Rated Power:	85 Horsepower
Operator:	PATRICIA H. PHILLIPS	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	INT ,970 ft msl	Distance from Accident Site:	37 Nautical Miles
Observation Time:	13:45 Local	Direction from Accident Site:	110°
Lowest Cloud Condition:	Scattered / 4000 ft AGL	Visibility	25 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	17°C / 9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(2EF)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	13:40 Local	Type of Airspace:	Class G

Airport Information

Airport:	ELKIN 2EF	Runway Surface Type:	Asphalt
Airport Elevation:	1068 ft msl	Runway Surface Condition:	Dry
Runway Used:	7	IFR Approach:	None
Runway Length/Width:	4003 ft / 75 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	36.249946,-80.840545(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Preston
Additional Participating Persons:	JANE TYNER; WINSTON/SALEM , NC
Original Publish Date:	November 11, 1996
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=3716

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