



Aviation Investigation Final Report

Location:	Reidsville, North Carolina	Accident Number:	ATL07CA022
Date & Time:	November 25, 2006, 14:00 Local	Registration:	N172LF
Aircraft:	Cessna 172N	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The student solo pilot reported he was practicing takeoffs and landings on a dry asphalt runway. On the accident landing, the airplane veered to the right, and the student stated he was unable to correct the veer. The airplane struck trees off the right side of the runway. The student pilot reported there were no pre accident mechanical problems with the airplane.

Probable Cause and Findings

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

Findings

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

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ROLL

Findings

2. OBJECT - TREE(S)

Factual Information

On November 25, 2006, at 1400 eastern standard time, a Cessna 172N, N172LF, registered to a private owner and operating as a 14 CFR Part 91 instructional flight, collided with trees during landing at the Rockingham County Shiloh Airport in Reidsville, North Carolina. Visual meteorological conditions prevailed, and no flight plan was filed. The airplane received substantial damage. The student pilot reported no injuries. The flight originated from Smith Reynolds Airport in Winston Salem, North Carolina, on November 25, 2006, at 1200.

According to the student pilot, he departed Smith Reynolds Airport to complete his private pilot check ride preparation. He stated, "I was practicing takeoff/landing/pattern at [the Shiloh Airport] and had already made 3-4 landings at KSIF [also known as 78N Rockingham County Shiloh Airport]. After touchdown on the centerline of the runway, the airplane started to veer to the right of the runway. Using left rudder and brakes I tried to maintain control of the [air]plane. The airplane continued to veer off the runway to the right, went through the grass, and came to a standstill [on] the edge of the tree line."

Examination of the airplane by an FAA inspector found substantial damage to both wings, the right flap, the wing struts, lower fuselage, propeller, propeller spinner, engine cowl, exhaust stack, air filter, and gear struts. There were no mechanical problems reported by the pilot or discovered during the post-accident examination of the airplane.

Student pilot Information

Certificate:	Student	Age:	28,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	September 1, 2005
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	68 hours (Total, all aircraft), 63 hours (Total, this make and model), 20 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N172LF
Model/Series:	172N	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	17273380
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	November 1, 2006 100 hour	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:	20 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O360-A4M
Registered Owner:	Michael Boone	Rated Power:	180 Horsepower
Operator:	Peter Jamieson	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	GSO	Distance from Accident Site:	20 Nautical Miles
Observation Time:	13:54 Local	Direction from Accident Site:	180°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.2 inches Hg	Temperature/Dew Point:	19°C / 2°C
Precipitation and Obscuration:			
Departure Point:	Winston Salem, NC (INT)	Type of Flight Plan Filed:	None
Destination:	Reidsville, NC (78N)	Type of Clearance:	None
Departure Time:	12:00 Local	Type of Airspace:	

Airport Information

Airport:	Rockingham County Shiloh Airpo 78N	Runway Surface Type:	Asphalt
Airport Elevation:	693 ft msl	Runway Surface Condition:	Dry
Runway Used:	31	IFR Approach:	None
Runway Length/Width:	5199 ft / 100 ft	VFR Approach/Landing:	Full stop;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:	

Administrative Information

Investigator In Charge (IIC):	Wilson, Ralph
Additional Participating Persons:	Jeffrey Riddell; Greensboro FSDO; Greensboro, NC
Original Publish Date:	March 26, 2007
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=65007

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