



Aviation Investigation Final Report

Location:	Starkville, Mississippi	Accident Number:	ERA12CA116
Date & Time:	October 8, 2011, 15:55 Local	Registration:	N5424E
Aircraft:	Cessna 188	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Flight test		

Analysis

According to the operator, the pilot performed a normal landing in the tailwheel-equipped airplane. During the rollout, the airplane began to veer to the left, and the pilot attempted unsuccessfully to arrest the turn by applying right rudder and right brake. The airplane continued off the left side of the runway and struck a ditch, resulting in substantial damage to the right wing. Postaccident examination of the wreckage did not reveal any preexisting mechanical anomalies with the airplane.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot did not maintain directional control of the airplane during landing, which resulted in a runway excursion.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	58, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	November 9, 2010
Occupational Pilot:	No	Last Flight Review or Equivalent:	November 6, 2010
Flight Time:	4788 hours (Total, all aircraft), 90 hours (Total, this make and model), 4432 hours (Pilot In Command, all aircraft), 81 hours (Last 90 days, all aircraft), 29 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N5424E
Model/Series:	188	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Experimental (Special)	Serial Number:	651
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	March 10, 2011 Annual	Certified Max Gross Wt.:	3300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1056 Hrs at time of accident	Engine Manufacturer:	CONT MOTOR
ELT:	Not installed	Engine Model/Series:	IO-520-D
Registered Owner:	MISSISSIPPI STATE UNIVERSITY	Rated Power:	300 Horsepower
Operator:	MISSISSIPPI STATE UNIVERSITY	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	STF,333 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	15:55 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	110°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.2 inches Hg	Temperature/Dew Point:	27°C / 15°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Starkville, MS (STF)	Type of Flight Plan Filed:	None
Destination:	Starkville, MS (STF)	Type of Clearance:	None
Departure Time:	15:45 Local	Type of Airspace:	

Airport Information

Airport:	Starkville Bryan Field STF	Runway Surface Type:	Asphalt
Airport Elevation:	333 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	4120 ft / 150 ft	VFR Approach/Landing:	Full stop

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:	33.426387,-88.841667(est)

Administrative Information

Investigator In Charge (IIC):	Schiada, Luke
Additional Participating Persons:	William Lynn; FAA/FSDO; Jackson, MS
Original Publish Date:	March 27, 2012
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=82550

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