



Aviation Investigation Final Report

Location:	Trinca, New Jersey	Accident Number:	ERA11CA356
Date & Time:	June 18, 2011, 10:00 Local	Registration:	N714TX
Aircraft:	Cessna A185F	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The pilot recently purchased the tailwheel airplane; however, he did not possess a tailwheel endorsement and was receiving flight instruction in his airplane. The pilot stated that he landed on a turf runway, and shortly after touchdown, the airplane rolled about 800 feet and the left main landing gear contacted a divot in the turf, which caused the airplane to yaw left. He tried to correct the yaw by applying right rudder and brake. The flight instructor then also applied rudder, aileron, and elevator control; however, they were unable to regain control and the airplane ground-looped. The impact resulted in substantial damage to the right wing, right main landing gear, and right side fuselage. The pilot further stated that the wind was calm and the airplane did not experience any preimpact mechanical malfunctions.

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, and the flight instructor's inadequate remedial action, which resulted in a ground-loop.

Findings

Personnel issues	Aircraft control - Pilot
Personnel issues	Lack of action - Instructor/check pilot
Aircraft	Directional control - Not attained/maintained
Environmental issues	(general) - Effect on operation

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Miscellaneous/other

Flight instructor Information

Certificate:	Airline transport; Commercial; Flight instructor	Age:	61, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land; Multi-engine sea	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	April 26, 2011
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	June 15, 2011
Flight Time:	24500 hours (Total, all aircraft), 2500 hours (Total, this make and model), 23300 hours (Pilot In Command, all aircraft), 95 hours (Last 90 days, all aircraft), 45 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Pilot Information

Certificate:	Private	Age:	45, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	June 23, 2010
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 2, 2009
Flight Time:	1820 hours (Total, all aircraft), 3 hours (Total, this make and model), 1800 hours (Pilot In Command, all aircraft), 55 hours (Last 90 days, all aircraft), 28 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N714TX
Model/Series:	A185F	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18504423
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	December 6, 2010 Annual	Certified Max Gross Wt.:	3350 lbs
Time Since Last Inspection:	20 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3313 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, not activated	Engine Model/Series:	IO 520
Registered Owner:	Pascario Inc	Rated Power:	300 Horsepower
Operator:	Pascal Boillat	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	FWN,421 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	09:53 Local	Direction from Accident Site:	30°
Lowest Cloud Condition:	Few / 10000 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.87 inches Hg	Temperature/Dew Point:	23°C / 17°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Caldwell, NJ (CDW)	Type of Flight Plan Filed:	None
Destination:	Trinca, NJ (13N)	Type of Clearance:	None
Departure Time:	09:40 Local	Type of Airspace:	

Airport Information

Airport:	Trinca Airport 13N	Runway Surface Type:	Grass/turf
Airport Elevation:	600 ft msl	Runway Surface Condition:	Rough
Runway Used:	06	IFR Approach:	None
Runway Length/Width:	1924 ft / 135 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	40.298877,-74.521186(est)

Administrative Information

Investigator In Charge (IIC):	Gretz, Robert
Additional Participating Persons:	Brandon Ghidiu; FAA/FSDO; Allentown, PA
Original Publish Date:	October 4, 2011
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=80870

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