



National Transportation Safety Board Aviation Accident Final Report

Location:	Saratoga, WY	Accident Number:	GAA15CA168
Date & Time:	07/01/2015, 0730 MDT	Registration:	N60691
Aircraft:	CESSNA A188B	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot reported that during the landing roll, the airplane veered right and the pilot attempted to correct back to the centerline using the flight controls. The airplane exited the right side of the runway, ground looped and sustained substantial damage to the left wing and left aileron.

The pilot reported no preimpact mechanical failures or malfunctions with the airframe or engine that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's loss of directional control during the landing roll, which resulted in a runway excursion, and a ground loop.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event) Runway excursion Collision with terr/obj (non-CFIT)
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Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	29
Airplane Rating(s):	Multi-engine Land; Single-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; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 2 With Waivers/Limitations	Last Medical Exam:	10/23/2014
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	11/14/2013
Flight Time:	(Estimated) 438 hours (Total, all aircraft), 108 hours (Total, this make and model), 349 hours (Pilot In Command, all aircraft), 97 hours (Last 90 days, all aircraft), 64 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N60691
Model/Series:	A188B B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	18802806T
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	06/05/2015, Annual	Certified Max Gross Wt.:	4200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3310 Hours	Engine Manufacturer:	Continental
ELT:	Not installed	Engine Model/Series:	IO-520-D
Registered Owner:	Circle S Aviation	Rated Power:	300 hp
Operator:	Circle S Aviation	Air Carrier Operating Certificate:	Agricultural Aircraft (137)

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KSAA, 7016 ft msl	Observation Time:	1315 UTC
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	251°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	16°C / 10°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	4 knots, 140°	Visibility (RVR):	
Altimeter Setting:	30.3 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Saratoga, WY (SAA)	Type of Flight Plan Filed:	None
Destination:	Saratoga, WY (SAA)	Type of Clearance:	None
Departure Time:	0600 MDT	Type of Airspace:	Class G

Airport Information

Airport:	SHIVELY FIELD (SAA)	Runway Surface Type:	Asphalt
Airport Elevation:	7015 ft	Runway Surface Condition:	Dry
Runway Used:	05	IFR Approach:	None
Runway Length/Width:	8801 ft / 100 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

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		

Administrative Information

Investigator In Charge (IIC):	Bradley M Bigelow	Adopted Date:	08/12/2015
Additional Participating Persons:	Mike Davey; Federal Aviation Administration; Denver, CO		
Publish Date:	08/12/2015		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=91519		

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.

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