



Aviation Investigation Final Report

Location:	Rock Springs, Wyoming	Accident Number:	GAA15CA264
Date & Time:	September 18, 2015, 10:30 Local	Registration:	N288MD
Aircraft:	Aviat A1	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during the landing roll with a "considerable" left cross wind, the left wing "rose." He reported that the airplane veered to the left, and ground looped. The right main landing gear collapsed and the right wing impacted the runway. The airplane sustained substantial damage to the right wing.

The pilot reported there were no pre-impact 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 failure to maintain directional control during the landing roll, which resulted in a ground loop.

Findings

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

Factual Information

History of Flight

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

Pilot Information

Certificate:	Airline transport; Flight instructor	Age:	68
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
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:	January 27, 2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 25, 2014
Flight Time:	(Estimated) 3400 hours (Total, all aircraft), 12 hours (Total, this make and model), 3160 hours (Pilot In Command, all aircraft), 45 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:	Aviat	Registration:	N288MD
Model/Series:	A1 B	Aircraft Category:	Airplane
Year of Manufacture:	2001	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	2177
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	September 8, 2015 Annual	Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	721 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C126 installed, not activated	Engine Model/Series:	O-360-A1P
Registered Owner:	On file	Rated Power:	180 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KRKS,6745 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	16:54 Local	Direction from Accident Site:	60°
Lowest Cloud Condition:	Scattered / 3600 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.29 inches Hg	Temperature/Dew Point:	10°C / 0°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	AFTON, WY (AFO)	Type of Flight Plan Filed:	None
Destination:	Rock Springs, WY (RKS)	Type of Clearance:	None
Departure Time:	09:30 Local	Type of Airspace:	Class E

Airport Information

Airport:	ROCK SPRINGS-SWEETWATER COUNTY RKS	Runway Surface Type:	Asphalt
Airport Elevation:	6764 ft msl	Runway Surface Condition:	Dry
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	10000 ft / 150 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:	41.592777,-109.055831(est)

Administrative Information

Investigator In Charge (IIC):	Vanover, Jackie
Additional Participating Persons:	Keith R Claus; FAA; Denver, CO
Original Publish Date:	October 8, 2015
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=92001

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