



Aviation Investigation Final Report

Location:	BADGER, South Dakota	Accident Number:	CHI95LA306
Date & Time:	September 4, 1995, 19:00 Local	Registration:	N70613
Aircraft:	PIPER PA-11	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Serious
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT REPORTED THAT HE WAS OUT CHECKING CROPS ON PRIVATE LAND. HE REPORTED THAT HE MADE A RIGHT TURN TOO STEEP AND STALLED THE AIRPLANE. HE DID NOT HAVE SUFFICIENT ALTITUDE TO RECOVER.

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 adequate airspeed while making a steep right turn. A contributing factor was the insufficient altitude needed to make a recovery.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: MANEUVERING

Findings

1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
2. STALL - INADVERTENT - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

On September 4, 1995, at 1900 central daylight time, a Piper PA- 11, N70613, was destroyed when it impacted the terrain in Badger, South Dakota. The pilot, who was seriously injured, was maneuvering the airplane in a steep turn when the airplane stalled. The passenger was also seriously injured. The 14 CFR Part 91 flight had departed a private airstrip in Badger, South Dakota, on a local flight. Visual meteorological conditions prevailed at the time of the accident and no flight plan was filed.

The pilot reported that he was out checking crops on private land. He reported that he made a right turn too steep and stalled the airplane. He did not have sufficient altitude to recover.

The pilot also reported that he did not have a current biennial flight review.

Pilot Information

Certificate:	Private	Age:	47, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	None Expired	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	165 hours (Total, all aircraft), 70 hours (Total, this make and model), 60 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N70613
Model/Series:	PA-11 PA-11	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	54037L8
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	November 21, 1994 Annual	Certified Max Gross Wt.:	1220 lbs
Time Since Last Inspection:	70 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	C-85-F
Registered Owner:	GEORGE CHRISTENSEN	Rated Power:	
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	ATY ,1748 ft msl	Distance from Accident Site:	40 Nautical Miles
Observation Time:	20:55 Local	Direction from Accident Site:	190°
Lowest Cloud Condition:	Scattered / 11000 ft AGL	Visibility	20 miles
Lowest Ceiling:	Broken / 25000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	22°C / 19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	, SD (NONE)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	18:30 Local	Type of Airspace:	Class E

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Serious	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Serious	Latitude, Longitude:	44.479816,-97.199203(est)

Administrative Information

Investigator In Charge (IIC):	Silliman, James
Additional Participating Persons:	LARRY BROWN; RAPID CITY , SD
Original Publish Date:	March 6, 1996
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=10019

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