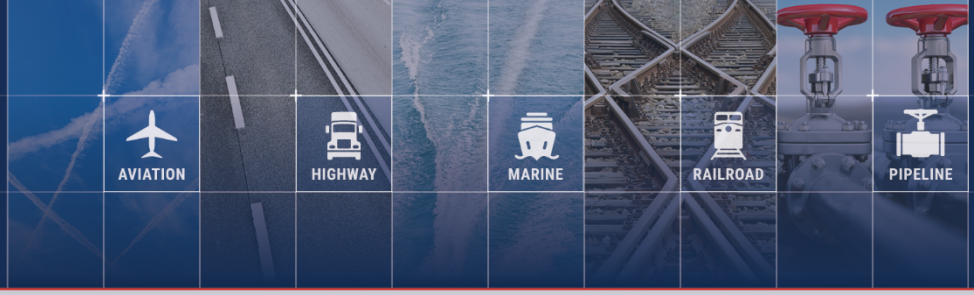

Aviation Investigation Final Report

Location:	Sibley, Iowa	**Accident Number:**	CEN23LA240
Date & Time:	June 15, 2023, 11:30 Local	**Registration:**	N23679
Aircraft:	Taylorcraft BC-65	**Aircraft Damage:**	Substantial
Defining Event:	Loss of control in flight	**Injuries:**	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during an extended final approach, the “bottom fell out” and the airplane entered an aerodynamic stall. The pilot was unable to recover before the airplane touched down short of the runway. The left main landing gear collapsed during the hard landing, and the airplane sustained substantial damage to the fuselage and right wing. The pilot reported that there were no preaccident mechanical malfunctions or failures with the airplane 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 adequate airspeed on final approach resulting in the airplane inadvertently exceeding the critical angle of attack and entering an inadvertent aerodynamic stall.

Findings

Aircraft	Airspeed - Not attained/maintained
Aircraft	Angle of attack - Not attained/maintained
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Approach-VFR pattern final	Aerodynamic stall/spin
Approach-VFR pattern final	Loss of control in flight (Defining event)
Landing	Hard landing

Pilot Information

Certificate:	Private	**Age:**	71,Male
Airplane Rating(s):	Single-engine land	**Seat Occupied:**	Left
Other Aircraft Rating(s):	None	**Restraint Used:**	Lap only
Instrument Rating(s):	None	**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	
Medical Certification:	Sport pilot None	**Last FAA Medical Exam:**	
Occupational Pilot:	No	**Last Flight Review or Equivalent:**	April 10, 2023
Flight Time:	511 hours (Total, all aircraft), 423 hours (Total, this make and model), 500 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Taylorcraft	**Registration:**	N23679
Model/Series:	BC-65	**Aircraft Category:**	Airplane
Year of Manufacture:	1939	**Amateur Built:**	
Airworthiness Certificate:	Normal	**Serial Number:**	1413
Landing Gear Type:	Tailwheel	**Seats:**	2
Date/Type of Last Inspection:	May 15, 2023 Annual	**Certified Max Gross Wt.:**	1200 lbs
Time Since Last Inspection:		**Engines:**	1 Reciprocating
Airframe Total Time:	as of last inspection	**Engine Manufacturer:**	Continental
ELT:	C91 installed, not activated	**Engine Model/Series:**	A-65-8
Registered Owner:	On file	**Rated Power:**	65 Horsepower
Operator:	On file	**Operating Certificate(s) Held:**	None
Operator Does Business As:	On file	**Operator Designator Code:**	N/A

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	**Condition of Light:**	Day
Observation Facility, Elevation:	KSHL,1419 ft msl	**Distance from Accident Site:**	10 Nautical Miles
Observation Time:	11:35 Local	**Direction from Accident Site:**	199°
Lowest Cloud Condition:	Clear	**Visibility**	10 miles
Lowest Ceiling:	None	**Visibility (RVR):**	
Wind Speed/Gusts:	5 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	240°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:	29.75 inches Hg	**Temperature/Dew Point:**	29°C / 11°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Worthington, MN (OTG)	**Type of Flight Plan Filed:**	None
Destination:	Sibley, IA	**Type of Clearance:**	None
Departure Time:	11:15 Local	**Type of Airspace:**	Class G

Airport Information

Airport:	Sibley ISB	**Runway Surface Type:**	Concrete
Airport Elevation:	1537 ft msl	**Runway Surface Condition:**	Dry
Runway Used:	17/35	**IFR Approach:**	None
Runway Length/Width:	3000 ft / 50 ft	**VFR Approach/Landing:**	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	**Latitude, Longitude:**	43.36472,-95.759601(est)

Administrative Information

Investigator In Charge (IIC):	Finne, Andrew
Additional Participating Persons:	Grabill, Charles; FAA-FSDO; Des Moines, IA
Original Publish Date:	October 17, 2023
Last Revision Date:	
Investigation Class:	Class 4
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=192373