



National Transportation Safety Board Aviation Accident Data Summary

Location:	Dayton, OH	Accident Number:	CEN10LA001
Date & Time:	10/01/2009, 0930 EDT	Registration:	N3635N
Aircraft:	DUSENBERRY MARK J 1905 WRIGHT FLYER	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The airplane, which was built by the pilot, was a replica of the Wright Brothers 1905 airplane. The purpose of the flight was to practice in preparation for the 104th Anniversary of Practical Flight celebration. The accident occurred on the second flight of the day. After takeoff, the airplane climbed to an altitude of 15 to 20 feet, then entered a shallow descending right bank. The wings of the airplane leveled and the nose pitched up. The nose of the airplane then dropped and the airplane impacted the terrain. The airplane received substantial damage to the fuselage, wings, and elevator. A 4-knot tailwind prevailed at the time of the accident. Postaccident inspection of the airplane failed to reveal any preimpact failures or malfunctions.

Flight Events

Enroute-cruise - Aerodynamic stall/spin
Enroute-cruise - Loss of control in flight
Uncontrolled descent - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain control of the airplane during the flight, which resulted in an aerodynamic stall.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-(general)-Not attained/maintained - C
Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C
Environmental issues-Conditions/weather/phenomena-Wind-Tailwind-Not specified

Pilot Information

Certificate:	Private	Age:	49
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	DUSENBERRY MARK J	Registration:	N3635N
Model/Series:	1905 WRIGHT FLYER	Engines:	1 Reciprocating
Operator:	DUSENBERRY MARK J	Engine Manufacturer:	
Air Carrier Operating Certificate:	None	Engine Model/Series:	
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	FFO, 823 ft msl	Weather Information Source:	Unknown
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	4 knots, 150°
Temperature:	8°C / 6°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Dayton, OH (FFO)	Destination:	Dayton, OH (FFO)

Airport Information

Airport:	Huffman Prairie Flying Field (FFO)	Runway Surface Type:	Grass/turf
Runway Used:		Runway Surface Condition:	Rough
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Pamela S Sullivan	Adopted Date:	05/28/2010
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=74836		

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