



# Aviation Investigation Final Report

<b>Location:</b>	Melbourne, Arkansas	<b>Accident Number:</b>	CEN13CA084
<b>Date &amp; Time:</b>	December 1, 2012, 08:45 Local	<b>Registration:</b>	N63MY
<b>Aircraft:</b>	AMERICAN CHAMPION AIRCRAFT 8KCAB	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Abrupt maneuver	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

According to the pilot, the touchdown was on-speed, and she made a three-point landing. During the landing roll, the airplane seemed to weathervane to the right side of the runway, so the pilot applied left rudder. The airplane veered to the left and departed the paved runway at a slow speed. As the airplane exited the runway, the right main landing gear collapsed, which resulted in the right wing contacting the ground, which resulted in substantial damage to the wing structure. The pilot reported no preimpact mechanical malfunctions 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 directional control of the airplane during the landing.

## Findings

<b>Personnel issues</b>	Incorrect action performance - Pilot
<b>Aircraft</b>	Directional control - Not attained/maintained

## Factual Information

### History of Flight

<b>Landing-landing roll</b>	Abrupt maneuver (Defining event)
<b>Landing-landing roll</b>	Attempted remediation/recovery
<b>Landing-landing roll</b>	Dragged wing/rotor/float/other
<b>Landing-landing roll</b>	Landing gear collapse

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	57,Female
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With waivers/limitations	<b>Last FAA Medical Exam:</b>	November 7, 2012
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	November 29, 2011
<b>Flight Time:</b>	147 hours (Total, all aircraft), 7 hours (Total, this make and model), 147 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 11 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	AMERICAN CHAMPION AIRCRAFT	<b>Registration:</b>	N63MY
<b>Model/Series:</b>	8KCAB	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Aerobatic	<b>Serial Number:</b>	10692008
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>		<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	AEIO-360-H1B
<b>Registered Owner:</b>	Christine Dawe	<b>Rated Power:</b>	180 Horsepower
<b>Operator:</b>	Christine Dawe	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.92 inches Hg	<b>Temperature/Dew Point:</b>	16°C
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Melbourne, AR (42A)	<b>Type of Flight Plan Filed:</b>	Unknown
<b>Destination:</b>	Melbourne, AR (42A)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	08:20 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	John E. Miller Field 42A	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	735 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	21	<b>IFR Approach:</b>	Visual
<b>Runway Length/Width:</b>	4002 ft / 75 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	36.071666,-91.839447(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Bothwell, Stuart
<b>Additional Participating Persons:</b>	Heather Metzler; FAA; Little Rock, AR
<b>Original Publish Date:</b>	July 23, 2013
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=85715">https://data.nts.gov/Docket?ProjectID=85715</a>

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