



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Appleton, WI	<b>Accident Number:</b>	CEN13CA457
<b>Date &amp; Time:</b>	08/01/2013, 1045 CDT	<b>Registration:</b>	N234X
<b>Aircraft:</b>	STEARMAN A75	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Air Race/Show		

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## Analysis

Prior to landing, the pilot listened to the automated weather station which reported the wind out of the west at 8 knots; the pilot would land on runway 21 for a normal crosswind landing. During the landing roll, the right wing lifted suddenly, the left wing contacted the ground, and the airplane ground looped. The pilot then asked the air traffic controller what the wind was, the air traffic controller responded that the wind was at 14 knots, gusting to 19 and getting stronger. Examination of the airplane revealed substantial damage to the left wing.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate compensation for the crosswind, which resulted in a loss of directional control.

## Findings

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<b>Aircraft</b>	Directional control - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Crosswind - Response/compensation (Cause)

## Factual Information

### History of Flight

Landing-flare/touchdown	Loss of control on ground (Defining event) Runway excursion
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### Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	56, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Rear
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 With Waivers/Limitations	Last Medical Exam:	05/08/2013
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	07/14/2013
Flight Time:	19273 hours (Total, all aircraft), 214 hours (Total, this make and model), 10202 hours (Pilot In Command, all aircraft), 217 hours (Last 90 days, all aircraft), 112 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Manufacturer:	STEARMAN	Registration:	N234X
Model/Series:	A75	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	75-260
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Annual	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	R680E SERIES
Registered Owner:	AMERICAN AIRPOWER HERITAGE FLYING MUSEUM INC	Rated Power:	300 hp
Operator:	AMERICAN AIRPOWER HERITAGE FLYING MUSEUM INC	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KATW	Observation Time:	
Distance from Accident Site:		Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered	Temperature/Dew Point:	18°C / 10°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	5 knots, 230°	Visibility (RVR):	
Altimeter Setting:	29.92 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Precipitation		
Departure Point:	Appleton, WI (KATW)	Type of Flight Plan Filed:	Unknown
Destination:	Appleton, WI (KATW)	Type of Clearance:	None
Departure Time:	CDT	Type of Airspace:	

## Airport Information

Airport:	Outagamie County Regional (KATW)	Runway Surface Type:	Concrete
Airport Elevation:	918 ft	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	8002 ft / 150 ft	VFR Approach/Landing:	Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None		

## Administrative Information

Investigator In Charge (IIC):	Craig Hatch	Adopted Date:	10/21/2013
Additional Participating Persons:	Mike Piecaynske; FAA FSDO; Milwaukee, WI		
Publish Date:	10/21/2013		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=87672">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=87672</a>		

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