



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Zelienople, PA	<b>Accident Number:</b>	ERA10CA397
<b>Date &amp; Time:</b>	08/01/2010, 0930 EDT	<b>Registration:</b>	N4113M
<b>Aircraft:</b>	LUSCOMBE 8C	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

According to the pilot, during the takeoff ground roll the airplane encountered a sudden gust of wind and turned left. The pilot corrected with right rudder, but the airplane departed the runway and bounced several times before the right main landing gear collapsed and the right wing and fuselage were substantially damaged. A Federal Aviation Administration inspector examined the wreckage and found no preimpact mechanical anomalies with the airplane. The pilot further reported that wind at the airport was shifting.

## Flight Events

Takeoff - Other weather encounter  
Takeoff - Loss of control on ground  
Takeoff-rejected takeoff - Runway excursion  
Takeoff-rejected takeoff - 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 loss of directional control while taking off with a gusting wind.

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C  
Personnel issues-Action/decision-Action-Incomplete action-Pilot - C  
Environmental issues-Conditions/weather/phenomena-Wind-(general)-Contributed to outcome

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	57
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	649 hours (Total, all aircraft), 452 hours (Total, this make and model), 603 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 18 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	LUSCOMBE	<b>Registration:</b>	N4113M
<b>Model/Series:</b>	8C	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	On file	<b>Engine Manufacturer:</b>	CONT MOTOR
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	A&C75 SERIES
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	KBTP, 1248 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	Overcast / 8500 ft agl
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	8 knots, 70°
<b>Temperature:</b>	21°C / 17°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Zelienople, PA (PJC)	<b>Destination:</b>	Lapeer, MI (D95)

## Airport Information

<b>Airport:</b>	Zelienople Munciple Airport (PJC)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	35	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	4933 ft / 75 ft		

## 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

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Ralph L Wilson	<b>Adopted Date:</b>	04/07/2011
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.		
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76848">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76848</a>		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.