



National Transportation Safety Board Aviation Accident Final Report

Location:	Zelienople, PA	Accident Number:	ERA10CA397
Date & Time:	08/01/2010, 0930 EDT	Registration:	N4113M
Aircraft:	LUSCOMBE 8C	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	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.

Probable Cause and Findings

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	Directional control - Not attained/maintained (Cause)
Personnel issues	Incomplete action - Pilot (Cause)
Environmental issues	Wind - Contributed to outcome

Factual Information

History of Flight

Takeoff	Other weather encounter Loss of control on ground (Defining event)
Takeoff-rejected takeoff	Runway excursion Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	57, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last Medical Exam:	11/20/2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	12/23/2009
Flight Time:	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

Aircraft Manufacturer:	LUSCOMBE	Registration:	N4113M
Model/Series:	8C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	1412
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	12/04/2009, Annual	Certified Max Gross Wt.:	1310 lbs
Time Since Last Inspection:	20 Hours	Engines:	1 Reciprocating
Airframe Total Time:	2993 Hours	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, not activated	Engine Model/Series:	A&C75 SERIES
Registered Owner:	On file	Rated Power:	75 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KBTP, 1248 ft msl	Observation Time:	0935 EDT
Distance from Accident Site:	10 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	287°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:		Temperature/Dew Point:	21° C / 17° C
Lowest Ceiling:	Overcast / 8500 ft agl	Visibility	10 Miles
Wind Speed/Gusts, Direction:	8 knots, 70°	Visibility (RVR):	
Altimeter Setting:	29.98 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Zelienople, PA (PJC)	Type of Flight Plan Filed:	None
Destination:	Lapeer, MI (D95)	Type of Clearance:	None
Departure Time:	0930 EDT	Type of Airspace:	

Airport Information

Airport:	Zelienople Munciple Airport (PJC)	Runway Surface Type:	Asphalt
Airport Elevation:	900 ft	Runway Surface Condition:	Dry
Runway Used:	35	IFR Approach:	None
Runway Length/Width:	4933 ft / 75 ft	VFR Approach/Landing:	None

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):	Ralph L Wilson	Adopted Date:	04/07/2011
Additional Participating Persons:	Ronald Barone; FAA/FSDO; Allegheny, PA		
Publish Date:	04/07/2011		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=76848		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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