



National Transportation Safety Board Aviation Accident Final Report

Location:	West Bend, WI	Accident Number:	CEN13CA042
Date & Time:	11/03/2012, 1250 CDT	Registration:	N2368K
Aircraft:	LUSCOMBE 8E	Aircraft Damage:	Substantial
Defining Event:	Nose over/nose down	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot departed a 1,500-foot-long grass runway in calm wind conditions and was unable to gain enough altitude to clear power lines at the end of the runway. He aborted the takeoff and landed in a plowed field near the departure end of the runway. The airplane nosed over on landing damaging the vertical stabilizer, the right wing tip, both main landing gear, and the propeller. The pilot reported no preimpact mechanical malfunctions or failures with the airplane or engine that would have precluded normal operation. He said the accident could have been prevented if he had waited for better wind conditions or extended the takeoff roll to gain additional airspeed.

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 clearance from power lines at the end of the short runway, which resulted in an aborted takeoff and subsequent nose-over of the airplane.

Findings

Aircraft	Takeoff distance - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)

Factual Information

History of Flight

Takeoff	Collision with terr/obj (non-CFIT)
Takeoff-rejected takeoff	Nose over/nose down (Defining event)

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	46, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Without Waivers/Limitations	Last Medical Exam:	06/27/2012
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	702 hours (Total, all aircraft), 2 hours (Total, this make and model), 114 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	LUSCOMBE	Registration:	N2368K
Model/Series:	8E	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	5095
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	05/22/2012, Annual	Certified Max Gross Wt.:	1400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2351 Hours	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, not activated	Engine Model/Series:	C85 SERIES
Registered Owner:	S & S AERO WORKS LLC	Rated Power:	85 hp
Operator:	S & S AERO WORKS LLC	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	ETB, 887 ft msl	Observation Time:	1335 CDT
Distance from Accident Site:	15 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	200°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 3100 ft agl	Temperature/Dew Point:	6°C / -2°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	Calm	Visibility (RVR):	
Altimeter Setting:	30.21 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:			
Departure Point:	West Bend, WI (None)	Type of Flight Plan Filed:	None
Destination:	Hartford, WI (HXF)	Type of Clearance:	None
Departure Time:	1300 CDT	Type of Airspace:	Unknown

Airport Information

Airport:	Private (None)	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	09	IFR Approach:	None
Runway Length/Width:	1200 ft / 60 ft	VFR Approach/Landing:	

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Leah D Yeager	Adopted Date:	01/31/2013
Additional Participating Persons:	Darrell McCullion; FAA/FSDO; Milwaukee, WI		
Publish Date:	01/31/2013		
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=85498		

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.

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.