



National Transportation Safety Board Aviation Accident Data Summary

Location:	Cumberland, WI	Accident Number:	CEN09CA279
Date & Time:	05/03/2009, 1345 CDT	Registration:	N5905L
Aircraft:	AMERICAN AA-1	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that the accident occurred during a crosswind takeoff from a turf runway. He noted that the airplane encountered an intersecting asphalt runway with a height difference that tended to "launch" the airplane. The pilot stated that he was unable to maintain control because of the crosswind. He attempted to continue the takeoff, ultimately continuing beyond the end of the runway, across a road and impacting a field. The airplane sustained substantial damage to the right wing. The nose landing gear, right main landing gear and right flap were also damaged. The pilot reported a left 90-degree crosswind of about 10 knots at the time of the accident. He commented that additional flight instruction from an instructor familiar with the make and model airplane would have been helpful.

Flight Events

- Takeoff - Loss of control in flight
- 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 failure to maintain control of the aircraft during takeoff in crosswind conditions.

Findings

- Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Crosswind correction-Not attained/maintained - C
- Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C
- Personnel issues-Experience/knowledge-Experience/qualifications-Total experience w/ equipment-Pilot
- Environmental issues-Conditions/weather/phenomena-Wind-Crosswind-Response/compensation - F

Pilot Information

Certificate:	Private	Age:	56
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	130 hours (Total, all aircraft), 42 hours (Total, this make and model), 110 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	AMERICAN	Registration:	N5905L
Model/Series:	AA-1	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-235 SERIES
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	RPD, 1109 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	Overcast / 7500 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	10 knots/ 15 knots, 240°
Temperature:	16°C / 0°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Siren, WI (RZN)	Destination:	Shell Lake, WI (SSQ)

Airport Information

Airport:	Cumberland Muni (UBE)	Runway Surface Type:	Grass/turf
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	2000 ft / 120 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Timothy Sorensen	Adopted Date:	08/13/2009
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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