



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|--------------------------------------|-------------------------|------------|
| Location: | Cortland, OH | Accident Number: | CEN13CA251 |
| Date & Time: | 05/01/2013, 1130 EDT | Registration: | N81610 |
| Aircraft: | ALEXANDER DUANE A RV-8 | Injuries: | 1 None |
| Flight Conducted Under: | Part 91: General Aviation - Personal | | |

Analysis

Before the flight, the pilot called the destination airport to check on the runway conditions. No concerns were reported. During the landing roll on the grass runway, the airplane encountered a soft spot in the runway and nosed over, coming to rest inverted. The empennage and fuselage sustained substantial damage. The pilot stated that there were no mechanical malfunctions or failures with the airplane before the accident.

Flight Events

Landing-landing roll - Nose over/nose down

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 airplane after encountering an unexpected soft spot in the runway during landing.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-(general)-Not attained/maintained - C

Personnel issues-Task performance-Use of equip/info-Aircraft control-Not specified - C

Environmental issues-Physical environment-Runway/land/takeoff/taxi surfa-Soft-Effect on operation - C

Pilot Information

| | | | |
|----------------------------------|--|------------------------------|----------|
| Certificate: | Private | Age: | 55 |
| Airplane Rating(s): | Single-engine Land | Instrument Rating(s): | Airplane |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| Flight Time: | 650 hours (Total, all aircraft), 100 hours (Total, this make and model), 15 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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|---|--------------------------------------|-----------------------------|-----------------|
| Aircraft Manufacturer: | ALEXANDER DUANE A | Registration: | N81610 |
| Model/Series: | RV-8 | Engines: | 1 Reciprocating |
| Operator: | On file | Engine Manufacturer: | LYCOMING |
| Air Carrier Operating Certificate: | None | Engine Model/Series: | O-360 |
| Flight Conducted Under: | Part 91: General Aviation - Personal | | |

Meteorological Information and Flight Plan

| | | | |
|---|----------------------------------|-------------------------------------|------------------------------|
| Observation Facility, Elevation: | KYNG, 1191 ft msl | Weather Information Source: | Weather Observation Facility |
| Conditions at Accident Site: | Visual Conditions | Lowest Ceiling: | None |
| Condition of Light: | Day | Wind Speed/Gusts, Direction: | 7 knots, Variable |
| Temperature: | 19°C / 11°C | Visibility | 10 Miles |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | Leesburg, VA (KJYO) | Destination: | Cortland, OH (8OH5) |

Airport Information

| | | | |
|-----------------------------|----------------------|----------------------------------|------------|
| Airport: | Urban Airport (8OH5) | Runway Surface Type: | Grass/turf |
| Runway Used: | 18 | Runway Surface Condition: | Soft |
| Runway Length/Width: | 2640 ft / 130 ft | | |

Wreckage and Impact Information

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

Administrative Information

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|--------------------------------------|---|----------------------|------------|
| Investigator In Charge (IIC): | Jennifer Rodi | Adopted Date: | 07/23/2013 |
| Note: | This accident report documents the factual circumstances of this accident as described to the NTSB. | | |
| Investigation Docket: | http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=86790 | | |

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.