



Aviation Investigation Final Report

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|--------------------------------|--------------------------------------|-------------------------|--------------------|
| Location: | Levant, Maine | Accident Number: | ERA10CA469 |
| Date & Time: | September 6, 2010, 11:00 Local | Registration: | N3650V |
| Aircraft: | Cessna 140 | Aircraft Damage: | Substantial |
| Defining Event: | Dragged wing/rotor/float/other | Injuries: | 1 Serious, 1 Minor |
| Flight Conducted Under: | Part 91: General aviation - Personal | | |

Analysis

According to a witness the airplane touched down and lifted off, but did not appear to gain much altitude. Near the end of the runway, the airplane wavered right and then left before the left wing struck the ground. As a result of the impact, the fuselage, left wing, firewall, and elevator incurred substantial damage. The pilot stated that he could not recall the events that transpired during the accident sequence; he reported no mechanical malfunctions or failures with the airframe or engine that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to obtain adequate airspeed during takeoff, which resulted in an aerodynamic stall.

Findings

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|-------------------------|------------------------------------|
| Aircraft | Airspeed - Not attained/maintained |
| Personnel issues | Aircraft control - Pilot |

Factual Information

History of Flight

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| Takeoff | Abrupt maneuver |
| Takeoff | Dragged wing/rotor/float/other (Defining event) |

Pilot Information

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|----------------------------------|--|--|-------------------|
| Certificate: | Airline transport; Commercial; Military | Age: | 40, Male |
| Airplane Rating(s): | Single-engine land; Single-engine sea; Multi-engine land | Seat Occupied: | Left |
| Other Aircraft Rating(s): | None | Restraint Used: | |
| Instrument Rating(s): | Airplane | Second Pilot Present: | No |
| Instructor Rating(s): | None | Toxicology Performed: | No |
| Medical Certification: | Class 2 With waivers/limitations | Last FAA Medical Exam: | June 8, 2009 |
| Occupational Pilot: | Yes | Last Flight Review or Equivalent: | November 17, 2009 |
| Flight Time: | 3896 hours (Total, all aircraft), 131 hours (Total, this make and model), 2386 hours (Pilot In Command, all aircraft), 38 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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|--------------------------------------|--|---------------------------------------|-----------------|
| Aircraft Make: | Cessna | Registration: | N3650V |
| Model/Series: | 140 | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | |
| Airworthiness Certificate: | Normal | Serial Number: | 14921 |
| Landing Gear Type: | Tailwheel | Seats: | 2 |
| Date/Type of Last Inspection: | December 21, 2009 Annual | Certified Max Gross Wt.: | 1450 lbs |
| Time Since Last Inspection: | | Engines: | 1 Reciprocating |
| Airframe Total Time: | 1810 Hrs at time of accident | Engine Manufacturer: | CONT MOTOR |
| ELT: | Installed, activated, did not aid in locating accident | Engine Model/Series: | C90 SERIES |
| Registered Owner: | On file | Rated Power: | 95 Horsepower |
| Operator: | On file | Operating Certificate(s) Held: | None |

Meteorological Information and Flight Plan

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|---|----------------------------------|---|---|
| Conditions at Accident Site: | Visual (VMC) | Condition of Light: | Day |
| Observation Facility, Elevation: | BGR,192 ft msl | Distance from Accident Site: | 6 Nautical Miles |
| Observation Time: | 10:53 Local | Direction from Accident Site: | 310° |
| Lowest Cloud Condition: | Scattered / 5000 ft AGL | Visibility | 10 miles |
| Lowest Ceiling: | None | Visibility (RVR): | |
| Wind Speed/Gusts: | 10 knots / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | 290° | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | 30.13 inches Hg | Temperature/Dew Point: | 20°C / 7°C |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | Bangor, ME (BGR) | Type of Flight Plan Filed: | None |
| Destination: | Levant, ME (NONE) | Type of Clearance: | VFR;Traffic advisory;VFR flight following |
| Departure Time: | 10:10 Local | Type of Airspace: | |

Airport Information

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|-----------------------------|----------------------------|----------------------------------|-----------------|
| Airport: | Griffin Field Leavant NONE | Runway Surface Type: | Grass/turf |
| Airport Elevation: | 350 ft msl | Runway Surface Condition: | Dry |
| Runway Used: | 27 | IFR Approach: | None |
| Runway Length/Width: | 2300 ft / 100 ft | VFR Approach/Landing: | Traffic pattern |

Wreckage and Impact Information

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|----------------------------|--------------------|-----------------------------|---------------------|
| Crew Injuries: | 1 Serious | Aircraft Damage: | Substantial |
| Passenger Injuries: | 1 Minor | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Total Injuries: | 1 Serious, 1 Minor | Latitude, Longitude: | 44.869445,-68.97583 |

Administrative Information

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| Investigator In Charge (IIC): | Diaz, Dennis |
| Additional Participating Persons: | John Bell; FAA/FSDO; Portland, ME |
| Original Publish Date: | May 5, 2011 |
| Last Revision Date: | |
| Investigation Class: | Class |
| Note: | This accident report documents the factual circumstances of this accident as described to the NTSB. |
| Investigation Docket: | https://data.nts.gov/Docket?ProjectID=77204 |

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