



National Transportation Safety Board Aviation Accident Factual Report

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|--------------------------------|------------------------|-------------------------|-------------|
| Location: | BELDING, MI | Accident Number: | CHI89DEM01 |
| Date & Time: | 06/02/1989, 2052 EDT | Registration: | N5658J |
| Aircraft: | CESSNA 188A | Aircraft Damage: | Substantial |
| Defining Event: | | Injuries: | 1 Serious |
| Flight Conducted Under: | Part 137: Agricultural | | |

Pilot Information

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|----------------------------------|--------------------|--|----------------------------|
| Certificate: | Commercial | Age: | 46, Male |
| Airplane Rating(s): | Single-engine Land | Seat Occupied: | Center |
| Other Aircraft Rating(s): | None | Restraint Used: | Seatbelt, Shoulder harness |
| Instrument Rating(s): | None | Second Pilot Present: | No |
| Instructor Rating(s): | None | Toxicology Performed: | No |
| Medical Certification: | Class 2 Expired | Last FAA Medical Exam: | 06/14/1982 |
| Occupational Pilot: | | Last Flight Review or Equivalent: | |
| Flight Time: | | | |

Aircraft and Owner/Operator Information

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|-------------------------------|---------------------|--------------------------------|-----------------|
| Aircraft Make: | CESSNA | Registration: | N5658J |
| Model/Series: | 188A 188A | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | No |
| Airworthiness Certificate: | Restricted | Serial Number: | 18800608 |
| Landing Gear Type: | Tailwheel | Seats: | 1 |
| Date/Type of Last Inspection: | 05/26/1989, Annual | Certified Max Gross Wt.: | 3800 lbs |
| Time Since Last Inspection: | 5 Hours | Engines: | 1 Reciprocating |
| Airframe Total Time: | 2651 Hours | Engine Manufacturer: | CONTINENTAL |
| ELT: | Not installed | Engine Model/Series: | O-470-R |
| Registered Owner: | STUDER, ALFRED C | Rated Power: | 230 hp |
| Operator: | STUDER, AFLRED | Operating Certificate(s) Held: | |
| Operator Does Business As: | AL'S FLYING SERVICE | Operator Designator Code: | STUG |

Meteorological Information and Flight Plan

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|----------------------------------|--------------------------|--------------------------------------|-------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Dusk |
| Observation Facility, Elevation: | GRR, 794 ft msl | Distance from Accident Site: | 18 Nautical Miles |
| Observation Time: | 2050 EDT | Direction from Accident Site: | 52° |
| Lowest Cloud Condition: | Scattered / 25000 ft agl | Visibility | 20 Miles |
| Lowest Ceiling: | None / 0 ft agl | Visibility (RVR): | 0 ft |
| Wind Speed/Gusts: | 5 knots / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | 170° | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | 29 inches Hg | Temperature/Dew Point: | 18° C / 12° C |
| Precipitation and Obscuration: | | | |
| Departure Point: | BELDING, MI (NONE) | Type of Flight Plan Filed: | None |
| Destination: | | Type of Clearance: | None |
| Departure Time: | 2052 EDT | Type of Airspace: | Class G |

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): WILLIAM M NAYMICK

Additional Participating Persons: PAUL V HASEN

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/>.