



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|------------------------|-------------------------|------------|
| Location: | THORNTON, IA | Accident Number: | MKC82DA092 |
| Date & Time: | 06/01/1982, 0655 CDT | Registration: | N21722 |
| Aircraft: | CESSNA 188B | Injuries: | 1 None |
| Flight Conducted Under: | Part 137: Agricultural | | |

Analysis

WHILE SPRAYING A CORN FIELD, THE PILOT CROSSED UNDER A POWERLINE AT THE NORTH END OF THE FIELD. WHILE PASSING BENEATH THE LINES, HIS LEFT WING TIP STRUCK THE BOTTOM WIRE. THE PILOT REPORTED THAT HE LOST AILERON CONTROL AND LANDED IN A CORN FIELD WITH NO ADDITIONAL DAMAGE. ALSO, HE REPORTED THAT THERE WAS MODERATE TURBULENCE AND HE ESTIMATED THE WIND FROM THE NORTHWEST AT ABOUT 10 KNOTS.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

1. (F) WEATHER CONDITION - TURBULENCE, CLEAR AIR
2. (F) OBJECT - WIRE, TRANSMISSION
3. (C) CLEARANCE - MISJUDGED - PILOT IN COMMAND
4. (F) WING - FOREIGN OBJECT DAMAGE
5. (F) FLIGHT CONTROL, AILERON - JAMMED

Pilot Information

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|----------------------------------|--|------------------------------|------|
| Certificate: | Commercial | Age: | 51 |
| Airplane Rating(s): | Multi-engine Land; Single-engine Land | Instrument Rating(s): | None |
| Other Aircraft Rating(s): | | Instructor Rating(s): | None |
| Flight Time: | 3300 hours (Total, all aircraft), 350 hours (Total, this make and model), 33 hours (Last 90 days, all aircraft), 33 hours (Last 30 days, all aircraft) | | |

Aircraft and Owner/Operator Information

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|---------------------------------------|------------------------------|-----------------------------|-----------------|
| Aircraft Make: | CESSNA | Registration: | N21722 |
| Model/Series: | 188B 188B | Engines: | 1 Reciprocating |
| Operator: | TWO STATE FLYING SERVICE INC | Engine Manufacturer: | CONTINENTAL |
| Operating Certificate(s) Held: | | Engine Model/Series: | IO-520-D |
| Flight Conducted Under: | Part 137: Agricultural | | |

Meteorological Information and Flight Plan

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|---|--------------------|-------------------------------------|-------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | , 0 ft msl | Weather Information Source: | Unknown |
| Lowest Ceiling: | Unknown / 0 ft agl | Wind Speed/Gusts, Direction: | 10 knots / , 315° |
| Temperature: | 60° C | Visibility | 20 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | SHEFFIELD, IA | Destination: | SHEFFIELD, IA |

Wreckage and Impact Information

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

Administrative Information

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| Investigator In Charge (IIC): | Adopted Date: 06/01/1983 |
| 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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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.