



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|--|-------------------------|-----------------|
| Location: | WIXOM, MI | Accident Number: | CHI89LA082 |
| Date & Time: | 05/01/1989, 1500 EDT | Registration: | N132BC |
| Aircraft: | CESSNA 320D | Injuries: | 1 Minor, 1 None |
| Flight Conducted Under: | Part 91: General Aviation - Other Work Use | | |

Analysis

WHILE MANEUVERING FOR PURPOSES OF AERIAL PHOTOGRAPHY, BOTH ENGINES ON THE CESSNA 320D FAILED DUE TO FUEL EXHAUSTION. THE PILOT DECLARED AN EMERGENCY AND WAS VECTORED TOWARD THE NEAREST AIRPORT. THE PILOT WAS UNABLE TO REACH THE AIRPORT, AND EXECUTED A FORCED LANDING IN A WOODED AREA APPROXIMATELY 1/2 MILE SOUTHEAST OF IT. THE PILOT STATED THAT HE HAD FORGOTTEN TO CHECK THE FUEL QUANTITY DURING THE PREFLIGHT INSPECTION.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: PILOT'S INATTENTION TO THE FUEL SYSTEM DURING PREFLIGHT AND INADEQUATE FUEL SYSTEM MONITORING THROUGHOUT THE FLIGHT.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: MANEUVERING

Findings

1. (C) AIRCRAFT PREFLIGHT - POOR - PILOT IN COMMAND
 2. (C) FUEL SUPPLY - INADEQUATE - PILOT IN COMMAND
 3. (F) INATTENTIVE - PILOT IN COMMAND
 4. (C) FLUID,FUEL - EXHAUSTION
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Occurrence #2: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: DESCENT - EMERGENCY

Findings

5. (F) OBJECT - TREE(S)
6. (F) TERRAIN CONDITION - NONE SUITABLE

Pilot Information

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|----------------------------------|---|------------------------------|----------|
| Certificate: | Commercial | Age: | 52 |
| Airplane Rating(s): | Multi-engine Land; Single-engine Land | Instrument Rating(s): | Airplane |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| Flight Time: | 3275 hours (Total, all aircraft), 2110 hours (Total, this make and model), 3010 hours (Pilot In Command, all aircraft), 41 hours (Last 90 days, all aircraft), 31 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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|---------------------------------------|--|-----------------------------|-----------------|
| Aircraft Make: | CESSNA | Registration: | N132BC |
| Model/Series: | 320D 320D | Engines: | 2 Reciprocating |
| Operator: | AIR-LAND SURVEYS, INC. | Engine Manufacturer: | CONTINENTAL |
| Operating Certificate(s) Held: | None | Engine Model/Series: | TSIO-520-B |
| Flight Conducted Under: | Part 91: General Aviation - Other Work Use | | |

Meteorological Information and Flight Plan

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|---|-------------------|-------------------------------------|------------------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | PTK, 980 ft msl | Weather Information Source: | Weather Observation Facility |
| Lowest Ceiling: | None / 0 ft agl | Wind Speed/Gusts, Direction: | 15 knots / , 60° |
| Temperature: | 12° C | Visibility | 12 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | PONTIAC, MI (PTK) | Destination: | |

Wreckage and Impact Information

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

Administrative Information

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|--------------------------------------|--|----------------------|------------|
| Investigator In Charge (IIC): | JODI L REEVES | Adopted Date: | 01/31/1991 |
| 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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