



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|--------------------------------------|-------------------------|------------|
| Location: | FT. COLLINS, CO | Accident Number: | DEN88LA117 |
| Date & Time: | 06/01/1988, 1710 MDT | Registration: | N6638N |
| Aircraft: | CESSNA T210N | Injuries: | 1 Minor |
| Flight Conducted Under: | Part 91: General Aviation - Business | | |

Analysis

DURING FINAL APCH TO LANDING THE PLT TRIED TO ADD POWER TO ARREST THE DESCENT BUT THE ENG DID NOT RESPOND. THE ACFT LANDED SHORT IN A PLOWED FIELD AND FLIPPED OVER. ACFT DAMAGE WAS SUBSTANTIAL AND THE PLT SUSTAINED MINOR INJURIES. EXAMINATION OF THE FUEL SYSTEM REVEALED ONLY FOUR OUNCES OF FUEL. THE PLT STATED THE FUEL GAUGES INDICATED APRX 180 LBS OF FUEL AT DEPARTURE. THE PLT HAD NOT VISUALLY CHECKED FUEL QUANTITY. WRECKAGE EXAMINATION ALSO REVEALED THAT THE LEFT FUEL GAUGE SHOWED 20 GALLONS WHEN 10 GALLONS WAS PLACED IN THE LEFT FUEL TANK. THE ENGINE WAS RUN AFTER THE ACCIDENT WITH NO DEFICIENCIES BEING NOTED.

Probable Cause

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

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (C) AIRCRAFT PREFLIGHT - INADEQUATE - PILOT IN COMMAND
2. (C) FLUID,FUEL - EXHAUSTION
3. (C) REFUELING - NOT PERFORMED - PILOT IN COMMAND
4. ENGINE INSTRUMENTS,FUEL QUANTITY GAGE - INCORRECT

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: NOSE OVER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

5. (F) TERRAIN CONDITION - SOFT
6. (F) LANDING GEAR,NOSE GEAR - OVERLOAD
7. (F) LANDING GEAR,NOSE GEAR - SEPARATION

Pilot Information

| | | | |
|----------------------------------|--|------------------------------|----------|
| Certificate: | Private | Age: | 54 |
| Airplane Rating(s): | Multi-engine Land; Single-engine Land | Instrument Rating(s): | Airplane |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| Flight Time: | 3670 hours (Total, all aircraft), 9 hours (Total, this make and model), 3482 hours (Pilot In Command, all aircraft), 80 hours (Last 90 days, all aircraft), 27 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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|---------------------------------------|--------------------------------------|-----------------------------|-----------------|
| Aircraft Make: | CESSNA | Registration: | N6638N |
| Model/Series: | T210N T210N | Engines: | 1 Reciprocating |
| Operator: | HOUSE, LELAND E. | Engine Manufacturer: | CONTINENTAL |
| Operating Certificate(s) Held: | None | Engine Model/Series: | TSIO-520R |
| Flight Conducted Under: | Part 91: General Aviation - Business | | |

Meteorological Information and Flight Plan

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|---|-----------------------|-------------------------------------|------------------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | FNL, 5016 ft msl | Weather Information Source: | Weather Observation Facility |
| Lowest Ceiling: | Broken / 20000 ft agl | Wind Speed/Gusts, Direction: | 16 knots / , 310° |
| Temperature: | 21 °C | Visibility | 40 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | JOES, CO (CO84) | Destination: | FT. COLLINS, CO (FNL) |

Airport Information

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|-----------------------------|----------------------------|----------------------------------|---------|
| Airport: | FT. COLLINS/LOVELAND (FNL) | Runway Surface Type: | Asphalt |
| Runway Used: | 33 | Runway Surface Condition: | Dry |
| Runway Length/Width: | 6500 ft / 100 ft | | |

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): NORMAN F WIEMEYER

Adopted Date: 04/25/1989

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.