



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|---|-------------------------|------------|
| Location: | ALBUQUERQUE, NM | Accident Number: | FTW96TA195 |
| Date & Time: | 05/01/1996, 2140 MDT | Registration: | N773W |
| Aircraft: | Rockwell NA-265-80 | Injuries: | 5 None |
| Flight Conducted Under: | Part 91: General Aviation - Public Aircraft | | |

Analysis

The captain was taking off on runway 21 with the wind from 330 degrees at 6 knots. After the airplane had attained about 120 knots and had traversed about half the 10,000 foot runway, the captain aborted the takeoff, when he heard a loud noise and felt a severe vibration. Subsequently, the airplane angled off the departure end of the runway and encountered soft terrain. It came to rest about 300 feet beyond the end of the runway with the nose landing gear collapsed. According to a tire analysis report, the left outboard tire failed in fatigue, followed by the left inboard tire, 'as the result of operation in an overdeflected condition.' The report stated, 'Over-deflection is caused by operating the tire overloaded or underinflated.'

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: overdeflection of the left outboard main landing gear tire, probably due to underinflation and inadequate inspection, which resulted in fatigue failure of the left outboard tire and subsequent failure of the left inboard tire.

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) LANDING GEAR,TIRE - PRESSURE TOO LOW
2. (F) MAINTENANCE,INSPECTION - INADEQUATE
3. (C) LANDING GEAR,TIRE - FATIGUE
4. (C) LANDING GEAR,TIRE - FAILURE

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ABORTED

Findings

5. TERRAIN CONDITION - SOFT

Pilot Information

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|----------------------------------|--|------------------------------|--|
| Certificate: | Airline Transport; Flight Instructor; Commercial | Age: | 49 |
| Airplane Rating(s): | Multi-engine Land; Single-engine Land | Instrument Rating(s): | Airplane |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | Airplane Multi-engine; Airplane Single-engine; Instrument Airplane |
| Flight Time: | 6500 hours (Total, all aircraft), 250 hours (Total, this make and model), 5000 hours (Pilot In Command, all aircraft), 40 hours (Last 90 days, all aircraft) | | |

Aircraft and Owner/Operator Information

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|---------------------------------------|---|-----------------------------|-------------|
| Aircraft Make: | Rockwell | Registration: | N773W |
| Model/Series: | NA-265-80 NA-265-80 | Engines: | 2 Turbo Fan |
| Operator: | USDA FOREST SERVICE AVIATION | Engine Manufacturer: | GE |
| Operating Certificate(s) Held: | None | Engine Model/Series: | CF700 |
| Flight Conducted Under: | Part 91: General Aviation - Public Aircraft | | |

Meteorological Information and Flight Plan

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|---|-------------------|-------------------------------------|------------------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Night/Bright |
| Observation Facility, Elevation: | ABQ, 5352 ft msl | Weather Information Source: | Weather Observation Facility |
| Lowest Ceiling: | None / 0 ft agl | Wind Speed/Gusts, Direction: | 6 knots / , 330° |
| Temperature: | 22° C | Visibility | 10 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | (ABQ) | Destination: | SANTA FE, NM (SAF) |

Airport Information

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|-----------------------------|---------------------------------|----------------------------------|---------|
| Airport: | ALBUQUERQUE INTERNATIONAL (ABQ) | Runway Surface Type: | Asphalt |
| Runway Used: | 21 | Runway Surface Condition: | Dry |
| Runway Length/Width: | 9000 ft / 100 ft | | |

Wreckage and Impact Information

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|-----------------------------|--------|----------------------------|-------------|
| Crew Injuries: | 5 None | 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): ARNOLD W SCOTT

Adopted Date: 09/19/1996

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.