



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|--------------------------------------|-------------------------|------------|
| Location: | MASON, MI | Accident Number: | CHI99LA017 |
| Date & Time: | 11/01/1998, 1200 EST | Registration: | N5908D |
| Aircraft: | Piper PA-22-20-150 | Injuries: | 2 None |
| Flight Conducted Under: | Part 91: General Aviation - Personal | | |

Analysis

The pilot said the tail wheel-equipped airplane began yawing to the left as he brought the airplane onto its main landing gear during takeoff. He said he over corrected with right rudder and then left rudder. The pilot said a yaw oscillation followed and the airplane departed the runway's left edge. Shortly after departing the runway's edge, the airplane's right main gear tire dug into the ground. The airplane ground-looped to the right and came to a stop on its right wing tip and nose. The pilot said he had 19-hours total time in the airplane and about 255-hours in a tail wheel-equipped home built airplane that was similar to the accident airplane except with about half the horse power.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: was the pilot not maintaining control of the airplane. A factor in this accident was the pilots lack of total experience in the airplane.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) DIRECTIONAL CONTROL - NOT OBTAINED/MAINTAINED - PILOT IN COMMAND
2. (F) LACK OF TOTAL EXPERIENCE IN TYPE OF AIRCRAFT - PILOT IN COMMAND

Occurrence #2: DRAGGED WING, ROTOR, POD, FLOAT OR TAIL/SKID
Phase of Operation: TAKEOFF - ROLL/RUN

Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

3. TERRAIN CONDITION - GRASS

Pilot Information

| | | | |
|----------------------------------|--|------------------------------|------|
| Certificate: | Private | Age: | 58 |
| Airplane Rating(s): | Single-engine Land | Instrument Rating(s): | None |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| Flight Time: | 426 hours (Total, all aircraft), 19 hours (Total, this make and model), 358 hours (Pilot In Command, all aircraft), 27 hours (Last 90 days, all aircraft), 19 hours (Last 30 days, all aircraft) | | |

Aircraft and Owner/Operator Information

| | | | |
|---------------------------------------|--------------------------------------|-----------------------------|-----------------|
| Aircraft Make: | Piper | Registration: | N5908D |
| Model/Series: | PA-22-20-150 PA-22-20-1 | Engines: | 1 Reciprocating |
| Operator: | CHARLES H. DOWNEY | Engine Manufacturer: | Lycoming |
| Operating Certificate(s) Held: | None | Engine Model/Series: | O-320 |
| Flight Conducted Under: | Part 91: General Aviation - Personal | | |

Meteorological Information and Flight Plan

| | | | |
|---|------------------------|-------------------------------------|------------------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | TEW, 919 ft msl | Weather Information Source: | Weather Observation Facility |
| Lowest Ceiling: | Overcast / 5000 ft agl | Wind Speed/Gusts, Direction: | 8 knots / , 30° |
| Temperature: | 11 °C | Visibility | 10 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | (TEW) | Destination: | (TEW) |

Airport Information

| | | | |
|-----------------------------|----------------------------|----------------------------------|---------|
| Airport: | MASON-JEWETT AIRPORT (TEW) | Runway Surface Type: | Asphalt |
| Runway Used: | 9 | Runway Surface Condition: | Dry |
| Runway Length/Width: | 3503 ft / 75 ft | | |

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): FRANK S GATTOLIN Adopted Date: 02/16/2001

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.