



National Transportation Safety Board Aviation Accident Factual Report

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| Location: | HOUSTON, TX | Accident Number: | DEN99LA095 |
| Date & Time: | 06/03/1999, 1730 CDT | Registration: | N4273E |
| Aircraft: | Piper PA-38-112 | Aircraft Damage: | Substantial |
| Defining Event: | | Injuries: | 2 None |

Flight Conducted Under: Part 91: General Aviation - Instructional

On June 3, 1999, at 1730 central daylight time, a Piper PA-38-112, N4273E, sustained substantial damage when it impacted the ground during a go-around at May Field, Houston, Texas. The certified flight instructor and his student were not injured. Visual meteorological conditions prevailed for this local area instructional flight operating under Title 14 CFR Part 91 and no flight plan was filed. The flight originated from David Wayne Hooks Field, Spring, Texas, at 1620.

According to the flight instructor, the student was flying and a crosswind caused him to lose control. During the attempted go-around, the aircraft struck the ground.

The flight instructor reported he had 365 hours total flight experience with 25 hours as a flight instructor and 24 hours as a flight instructor in the accident make and model aircraft.

The student reported he had 160 hours total flight experience with 17 hours in the accident make and model aircraft and 4 hours as pilot in command in the accident make and model.

The closest weather reporting station was at David Wayne Hooks Field, Spring, Texas located approximately 4 miles from the accident site. Weather at that facility at 1753 indicated the winds were from 160 degrees at 10 knots with no gusts reported. The flight instructor reported the winds at May Field were from 230 degrees at 10 with gusts to 20 at the time of the accident. Both the instructor and the weather station indicated there were scattered clouds at 4,000 to 5,000 feet.

The landing was being made on runway 17.

Pilot Information

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| Certificate: | Flight Instructor; Commercial | Age: | 23, Male |
| Airplane Rating(s): | Single-engine Land | Seat Occupied: | Right |
| Other Aircraft Rating(s): | None | Restraint Used: | Seatbelt, Shoulder harness |
| Instrument Rating(s): | Airplane | Second Pilot Present: | No |
| Instructor Rating(s): | Airplane Single-engine; Instrument Airplane | Toxicology Performed: | No |
| Medical Certification: | Class 1 Valid Medical--no waivers/lim. | Last FAA Medical Exam: | 07/10/1998 |
| Occupational Pilot: | | Last Flight Review or Equivalent: | |
| Flight Time: | 365 hours (Total, all aircraft), 25 hours (Total, this make and model), 200 hours (Pilot In Command, all aircraft), 60 hours (Last 90 days, all aircraft), 25 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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| Aircraft Make: | Piper | Registration: | N4273E |
| Model/Series: | PA-38-112 PA-38-112 | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | No |
| Airworthiness Certificate: | Normal | Serial Number: | 38-78A0518 |
| Landing Gear Type: | Tricycle | Seats: | 2 |
| Date/Type of Last Inspection: | 02/24/1999, 100 Hour | Certified Max Gross Wt.: | 1670 lbs |
| Time Since Last Inspection: | 73 Hours | Engines: | 1 Reciprocating |
| Airframe Total Time: | 7122 Hours | Engine Manufacturer: | Lycoming |
| ELT: | Installed, activated, did not aid in locating accident | Engine Model/Series: | O-235-L2C |
| Registered Owner: | AVIONES, INC. | Rated Power: | 112 hp |
| Operator: | MOONSTAR FLIGHT ACADEMY | Operating Certificate(s) Held: | None |

Meteorological Information and Flight Plan

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| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | DWH, 150 ft msl | Distance from Accident Site: | 4 Nautical Miles |
| Observation Time: | 1253 CDT | Direction from Accident Site: | 90° |
| Lowest Cloud Condition: | Scattered / 5000 ft agl | Visibility | 10 Miles |
| Lowest Ceiling: | None / 0 ft agl | Visibility (RVR): | 0 ft |
| Wind Speed/Gusts: | 10 knots / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | 160° | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | 29 inches Hg | Temperature/Dew Point: | 32° C / 32° C |
| Precipitation and Obscuration: | | | |
| Departure Point: | SPRING, TX (DWH) | Type of Flight Plan Filed: | None |
| Destination: | (2XS3) | Type of Clearance: | None |
| Departure Time: | 1620 CDT | Type of Airspace: | Class E |

Airport Information

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|----------------------|----------------------|---------------------------|---------|
| Airport: | HOUSTON - MAY (2XS3) | Runway Surface Type: | Asphalt |
| Airport Elevation: | 166 ft | Runway Surface Condition: | Dry |
| Runway Used: | 17 | IFR Approach: | VOR |
| Runway Length/Width: | 3440 ft / 50 ft | VFR Approach/Landing: | None |

Wreckage and Impact Information

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|---------------------|--------|----------------------|-------------|
| Crew Injuries: | 2 None | Aircraft Damage: | Substantial |
| Passenger Injuries: | N/A | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Total Injuries: | 2 None | Latitude, Longitude: | |

Administrative Information

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| Investigator In Charge (IIC): | NORMAN F WIEMEYER |
| Additional Participating Persons: | DAVID MILLER; HOUSTON, TX |
| 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 pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ . |