



Aviation Investigation Final Report

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|--------------------------------|--------------------------------------|-------------------------|-----------------|
| Location: | NAYVILLE, New York | Accident Number: | NYC91LA161 |
| Date & Time: | July 1, 1991, 09:13 Local | Registration: | N8670D |
| Aircraft: | PIPER PA-22-150 | Aircraft Damage: | Substantial |
| Defining Event: | | Injuries: | 2 Minor, 1 None |
| Flight Conducted Under: | Part 91: General aviation - Personal | | |

Analysis

DURING TAKEOFF, THE AIRPLANE LIFTED OFF AT 60 TO 65 MPH. ONCE AIRBORNE, IT WOULD NOT CLIMB AND IT SETTLED INTO TREES OFF THE DEPARTURE END OF THE RUNWAY. THE AIRPLANE WAS REPORTED TO HAVE HAD A BEST ANGLE OF CLIMB SPEED OF 70 MPH AND A BEST RATE OF CLIMB SPEED OF 84 MPH. THE PILOT HAD A TOTAL TIME OF 111 HOURS WITH 47 HOURS IN THIS MAKE AND MODEL.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FAILURE OF THE PILOT TO ATTAIN ADEQUATE AIRSPEED TO CLIMB, WHICH RESULTED IN A STALL/MUSH. THE TREES WERE A RELATED FACTOR.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) AIRSPEED - NOT ATTAINED - PILOT IN COMMAND
 2. CLIMB - NOT POSSIBLE - PILOT IN COMMAND
 3. (C) STALL/MUSH - INADVERTENT - PILOT IN COMMAND
 4. LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: TAKEOFF

Findings

5. (F) OBJECT - TREE(S)

Factual Information

Pilot Information

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|----------------------------------|---|--|-------------------|
| Certificate: | Private | Age: | 51, Male |
| Airplane Rating(s): | Single-engine land | Seat Occupied: | Unknown |
| Other Aircraft Rating(s): | None | Restraint Used: | |
| Instrument Rating(s): | None | Second Pilot Present: | No |
| Instructor Rating(s): | None | Toxicology Performed: | No |
| Medical Certification: | Class 3 Valid Medical-w/ waivers/lim | Last FAA Medical Exam: | December 10, 1990 |
| Occupational Pilot: | UNK | Last Flight Review or Equivalent: | |
| Flight Time: | 111 hours (Total, all aircraft), 47 hours (Total, this make and model), 63 hours (Pilot In Command, all aircraft), 3 hours (Last 30 days, all aircraft) | | |

Aircraft and Owner/Operator Information

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|--------------------------------------|--------------------------|---------------------------------------|-----------------|
| Aircraft Make: | PIPER | Registration: | N8670D |
| Model/Series: | PA-22-150 PA-22-150 | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | |
| Airworthiness Certificate: | | Serial Number: | 22-5878 |
| Landing Gear Type: | Tricycle | Seats: | 4 |
| Date/Type of Last Inspection: | January 2, 2000 Unknown | Certified Max Gross Wt.: | 2000 lbs |
| Time Since Last Inspection: | | Engines: | 1 Reciprocating |
| Airframe Total Time: | | Engine Manufacturer: | LYCOMING |
| ELT: | Installed, not activated | Engine Model/Series: | O-320-A2B |
| Registered Owner: | UNKNOWN | Rated Power: | 150 Horsepower |
| Operator: | WILLIAM E. OTTAWAY | Operating Certificate(s) Held: | None |
| Operator Does Business As: | | Operator Designator Code: | |

Meteorological Information and Flight Plan

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|---|----------------------------------|---|------|
| Conditions at Accident Site: | Visual (VMC) | Condition of Light: | Day |
| Observation Facility, Elevation: | | Distance from Accident Site: | |
| Observation Time: | | Direction from Accident Site: | |
| Lowest Cloud Condition: | Clear | Visibility | |
| Lowest Ceiling: | None | Visibility (RVR): | |
| Wind Speed/Gusts: | / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | 0° | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | | Temperature/Dew Point: | |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | | Type of Flight Plan Filed: | None |
| Destination: | | Type of Clearance: | None |
| Departure Time: | 09:13 Local | Type of Airspace: | |

Airport Information

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|-----------------------------|---|----------------------------------|------|
| Airport: | | Runway Surface Type: | |
| Airport Elevation: | | Runway Surface Condition: | |
| Runway Used: | 0 | IFR Approach: | None |
| Runway Length/Width: | | VFR Approach/Landing: | None |

Wreckage and Impact Information

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|----------------------------|-----------------|-----------------------------|---------------------------|
| Crew Injuries: | 1 Minor | Aircraft Damage: | Substantial |
| Passenger Injuries: | 1 Minor, 1 None | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Total Injuries: | 2 Minor, 1 None | Latitude, Longitude: | 42.249889,-79.499473(est) |

Administrative Information

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| Investigator In Charge (IIC): | Hancock, Robert |
| Additional Participating Persons: | MR RICHARD LAMSILL; ROCHESTER , NY |
| Original Publish Date: | April 8, 1993 |
| Last Revision Date: | |
| Investigation Class: | Class |
| Note: | |
| Investigation Docket: | https://data.nts.gov/Docket?ProjectID=36948 |

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