



National Transportation Safety Board Aviation Accident Factual Report

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|--------------------------------|------------------------|-------------------------|------------|
| Location: | Somerville, TN | Accident Number: | ATL07LA001 |
| Date & Time: | 10/04/2006, 1815 CDT | Registration: | N493Y |
| Aircraft: | Grumman G-164 | Aircraft Damage: | Destroyed |
| Defining Event: | | Injuries: | 1 Minor |
| Flight Conducted Under: | Part 137: Agricultural | | |

On October 4, 2006, at 1815 central daylight time, a Grumman G-164, N493Y, registered to and operated by Fayette Flying Service LLC, as a 14 Code of Federal Regulation Part 137 aerial application flight, loss full engine power while maneuvering in the vicinity of Somerville, Tennessee. The airplane collided with a tree while making a force landing, and was substantially damaged by post-crash fire. Visual meteorological conditions prevailed and no flight plan was filed. The private pilot received minor injuries. The flight originated from the Fayette County Airport, Somerville, Tennessee, at 1750.

The pilot reported that he was conducting an aerial application flight. He stated that about half way through the third turn-around maneuver a gradual loss of power occurred. He added full throttle but did not notice the difference in the engine sound or the power output. He made a forced landing into a small field of trees and the airplane collided with the ground.

Examination of the airplane by an FAA inspector revealed that all components for flight were located at the crash site. An examination of the engine revealed that all of its components were heavily fire damaged, and an engine examination could not be facilitated due to the fire damage. A review of the engine logbook pages revealed that the engine was overhauled on July 27, 2006 at an engine total time of 524.7 hours. After the engine was reinstalled it was run for 1-hour. The owner of the airplane did not submit the airplane logbooks or records for review to the NTSB.

Pilot Information

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| Certificate: | Private | Age: | 43, Male |
| Airplane Rating(s): | Single-engine Land | Seat Occupied: | Single |
| Other Aircraft Rating(s): | None | Restraint Used: | Seatbelt, Shoulder harness |
| Instrument Rating(s): | None | Second Pilot Present: | No |
| Instructor Rating(s): | None | Toxicology Performed: | No |
| Medical Certification: | Class 2 With Waivers/Limitations | Last FAA Medical Exam: | 08/01/2006 |
| Occupational Pilot: | | Last Flight Review or Equivalent: | 08/01/2006 |
| Flight Time: | 1000 hours (Total, all aircraft), 92 hours (Total, this make and model), 970 hours (Pilot In Command, all aircraft), 95 hours (Last 90 days, all aircraft), 50 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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|--------------------------------------|-----------------------------------|---------------------------------------|-----------------|
| Aircraft Make: | Grumman | Registration: | N493Y |
| Model/Series: | G-164 | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | No |
| Airworthiness Certificate: | Restricted | Serial Number: | 137 |
| Landing Gear Type: | Tailwheel | Seats: | 1 |
| Date/Type of Last Inspection: | 02/01/2006, Annual | Certified Max Gross Wt.: | 5095 lbs |
| Time Since Last Inspection: | 75 Hours | Engines: | 1 Reciprocating |
| Airframe Total Time: | 10081 Hours as of last inspection | Engine Manufacturer: | Pratt & Whitney |
| ELT: | Not installed | Engine Model/Series: | R-985-14B |
| Registered Owner: | Fayette Flying Service LLC | Rated Power: | 450 hp |
| Operator: | Fayette Flying Service LLC | Operating Certificate(s) Held: | |
| Operator Does Business As: | | Operator Designator Code: | F7FG |

Meteorological Information and Flight Plan

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| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | KMEM, 341 ft msl | Distance from Accident Site: | 30 Nautical Miles |
| Observation Time: | 1753 CDT | Direction from Accident Site: | 270° |
| Lowest Cloud Condition: | Few / 9500 ft agl | Visibility | 10 Miles |
| Lowest Ceiling: | None | Visibility (RVR): | |
| Wind Speed/Gusts: | 6 knots / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | 30.09 inches Hg | Temperature/Dew Point: | 31 °C / 16 °C |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | SOMERVILLE, TN (FYE) | Type of Flight Plan Filed: | None |
| Destination: | Somerville, TN | Type of Clearance: | None |
| Departure Time: | 1750 CDT | Type of Airspace: | |

Airport Information

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|----------------------|----------------------|---------------------------|----------------|
| Airport: | FAYETTE COUNTY (FYE) | Runway Surface Type: | |
| Airport Elevation: | 436 ft | Runway Surface Condition: | |
| Runway Used: | NA | IFR Approach: | None |
| Runway Length/Width: | | VFR Approach/Landing: | Forced Landing |

Wreckage and Impact Information

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|---------------------|---------|----------------------|-----------------------|
| Crew Injuries: | 1 Minor | Aircraft Damage: | Destroyed |
| Passenger Injuries: | N/A | Aircraft Fire: | On-Ground |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Total Injuries: | 1 Minor | Latitude, Longitude: | 35.470278, -89.917500 |

Administrative Information

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| Investigator In Charge (IIC): | Eric H Alleyne |
| Additional Participating Persons: | Troy L Hart; Memphis FSDO-25; Memphis, TN |
| 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/ . |