



National Transportation Safety Board Aviation Accident Data Summary

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

Analysis

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. The pilot exited the airplane, and an immediate post-crash fire consumed the airplane. 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. Due to the engine fire damage the cause of the loss of power could not be determined.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The total loss of engine power for undetermined reasons.

Findings

Occurrence #1: LOSS OF ENGINE POWER
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings
1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: FORCED LANDING
Phase of Operation: EMERGENCY DESCENT/LANDING

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: EMERGENCY DESCENT/LANDING

Findings
2. OBJECT - TREE(S)

Pilot Information

Certificate:	Private	Age:	43
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
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

Aircraft Manufacturer:	Grumman	Registration:	N493Y
Model/Series:	G-164	Engines:	1 Reciprocating
Operator:	Fayette Flying Service LLC	Engine Manufacturer:	Pratt & Whitney
Air Carrier Operating Certificate:		Engine Model/Series:	R-985-14B
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KMEM, 341 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	6 knots
Temperature:	31°C / 16°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	SOMERVILLE, TN (FYE)	Destination:	Somerville, TN

Airport Information

Airport:	FAYETTE COUNTY (FYE)	Runway Surface Type:	
Runway Used:	NA	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC): Eric H Alleyne

Adopted Date: 03/31/2008

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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