



National Transportation Safety Board Aviation Accident Factual Report

Location:	Gillett, AR	Accident Number:	DFW05CA177
Date & Time:	07/01/2005, 1630 CDT	Registration:	N6626K
Aircraft:	Grumman-Schweizer G-164C	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

On July 1, 2005, at 1630 central daylight time, a tail-wheel equipped Grumman-Schweizer G-164C single-engine turbine powered agricultural airplane, N6626K, was destroyed during a forced landing following a loss of engine power while performing an aerial application near Gillett, Arkansas. The commercial pilot, sole occupant of the airplane, was not injured. The airplane was registered to and operated by Trites Flying Service, Inc., of Gillett, Arkansas. Visual meteorological conditions prevailed and a flight plan was not filed for the 14 Code of Federal Regulations Part 137 aerial application flight. The local flight originated from the operator's private airstrip near Gillett, Arkansas, at 1615.

The 18,738-hour pilot reported in the Pilot/Operator Aircraft Accident Report (NTSB Form 6120.1/2) that during an aerial application of fertilizer to a field, the engine "lost partial power." The pilot initiated a forced landing to a nearby field. During the forced landing, the airplane impacted trees and came to rest upright. Subsequently, a postcrash fire consumed most of the airplane.

Examination of the Allied Signal TPE331-6-252M engine was conducted on July 29, 2005, at the facilities of Air Salvage of Dallas, near Lancaster, Texas, by the NTSB investigator-in-charge (IIC). The examination revealed that the engine was covered with soot, and the "B" nut (tubing nut that is used to hold flared tubing to a threaded fitting) from the discharge pressure line (P3) at the fuel control unit was disconnected. The threads of the "B" nut were also covered with soot.

Pilot Information

Certificate:	Commercial	Age:	50, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Center
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:	01/01/2005
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	18738 hours (Total, all aircraft), 8594 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Grumman-Schweizer	Registration:	N6626K
Model/Series:	G-164C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	8C
Landing Gear Type:	Tailwheel	Seats:	
Date/Type of Last Inspection:	04/01/2005, Annual	Certified Max Gross Wt.:	
Time Since Last Inspection:	464 Hours	Engines:	1 Turbo Prop
Airframe Total Time:		Engine Manufacturer:	Allied Signal
ELT:	Not installed	Engine Model/Series:	TPE331-6-252M
Registered Owner:	Trites Flying Service Inc.	Rated Power:	715 hp
Operator:	Trites Flying Service Inc.	Operating Certificate(s) Held:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Gillett, AR	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1615 CDT	Type of Airspace:	

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	NA	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced Landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	34.173056, -91.935556

Administrative Information

Investigator In Charge (IIC):	Frank McGill
Additional Participating Persons:	Michael Wilson; Federal Aviation Administration; Little Rock, AR
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
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/ .