



National Transportation Safety Board Aviation Accident Data Summary

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

Analysis

The 18,738-hour pilot reported that while applying an aerial application of fertilizer to a field, the engine lost power. The pilot initiated a forced landing to a nearby field. During the forced landing, the airplane impacted trees and came to rest upright. A post-impact fire consumed most of the airframe. Examination of the sooted engine revealed that the discharge pressure line (P3) at the fuel control unit was disconnected. The threads at the "B" nut were also covered with soot.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The loss of engine power resulting from a disconnected discharge pressure line at the fuel control unit. A contributing factor was the lack of suitable terrain for the forced landing.

Findings

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

Findings
1. (C) FUEL SYSTEM,LINE FITTING - DISCONNECTED

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

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

Findings
2. OBJECT - TREE(S)

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: EMERGENCY LANDING

Findings
3. (F) TERRAIN CONDITION - NONE SUITABLE

Pilot Information

Certificate:	Commercial	Age:	50
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	18738 hours (Total, all aircraft), 8594 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Grumman-Schweizer	Registration:	N6626K
Model/Series:	G-164C	Engines:	1 Turbo Prop
Operator:	Trites Flying Service Inc.	Engine Manufacturer:	Allied Signal
Air Carrier Operating Certificate:		Engine Model/Series:	TPE331-6-252M
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Observation Facility, Elevation:		Weather Information Source:	Pilot
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	
Condition of Light:	Day	Wind Speed/Gusts, Direction:	
Temperature:		Visibility:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Gillett, AR	Destination:	

Airport Information

Airport:		Runway Surface Type:	
Runway Used:	NA	Runway Surface Condition:	
Runway Length/Width:			

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

Administrative Information

Investigator In Charge (IIC):	Frank McGill	Adopted Date:	10/27/2005
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/ .		

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