



# National Transportation Safety Board Aviation Accident Final Report

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

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## 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 and Findings

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

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Occurrence #1: LOSS OF ENGINE POWER

Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

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

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Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

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Occurrence #3: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: EMERGENCY LANDING

Findings

2. OBJECT - TREE(S)

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Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: EMERGENCY LANDING

Findings

3. (F) TERRAIN CONDITION - NONE SUITABLE

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	50, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Center
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With Waivers/Limitations	<b>Last FAA Medical Exam:</b>	01/01/2005
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	18738 hours (Total, all aircraft), 8594 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

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

## 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	Report Date:	10/27/2005
Additional Participating Persons:	Michael Wilson; Federal Aviation Administration; Little Rock, AR		
Publish Date:			
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 <a href="mailto:pubinquiry@ntsb.gov">pubinquiry@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).