



# Aviation Investigation Final Report

<b>Location:</b>	SEMMES, Alabama	<b>Accident Number:</b>	ATL83LA310
<b>Date &amp; Time:</b>	August 4, 1983, 09:22 Local	<b>Registration:</b>	N3195J
<b>Aircraft:</b>	CESSNA T188C	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Analysis

THE ACFT COLLIDED WITH A POWER LINE DURING AN AERIAL APPLICATION MANEUVER. THERE WERE 2 SET OF WIRES CROSSING THE AREA, A LOW SET AND A HIGH SET. THE PILOT SUDDENLY CAME UPON THE LOW SET AND CLIMBED OVER THEM BUT COLLIDED WITH THE HIGH SET. THE VERTICAL STABILIZER CAUGHT THE WIRES AND WAS TORN OFF, THE ACFT NOSED INTO A CORN FIELD AND CAUGHT FIRE. THE PLT HAD A MEDICAL LIMITATION FOR VISION REQUIRING CORRECTIVE LENSES. HE WAS COMPLYING WITH THAT REQUIREMENT AT THE TIME OF THE ACCIDENT.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

### Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: MANEUVERING - AERIAL APPLICATION

#### Findings

1. (F) OBJECT - WIRE, STATIC
2. (C) PROCEDURES/DIRECTIVES - INADEQUATE - PILOT IN COMMAND
3. (C) VISUAL/AURAL PERCEPTION - PILOT IN COMMAND
4. (C) VISUAL LOOKOUT - CONFLICTING - PILOT IN COMMAND
5. (C) MANEUVER - MISJUDGED - PILOT IN COMMAND

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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

6. (C) STABILIZER - SEPARATION

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	36, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Center
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	11949 hours (Total, all aircraft), 3200 hours (Total, this make and model), 200 hours (Last 90 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N3195J
<b>Model/Series:</b>	T188C T188C	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Restricted (Special)	<b>Serial Number:</b>	1188036161
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	July 1, 1983 100 hour	<b>Certified Max Gross Wt.:</b>	4400 lbs
<b>Time Since Last Inspection:</b>	96 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1093 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	TSIO-520
<b>Registered Owner:</b>	FARM FLYING SERVICE, INC	<b>Rated Power:</b>	310 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	MOB ,221 ft msl	<b>Distance from Accident Site:</b>	6 Nautical Miles
<b>Observation Time:</b>	09:26 Local	<b>Direction from Accident Site:</b>	165°
<b>Lowest Cloud Condition:</b>	Scattered / 1300 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	6 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	140°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	28°C / 24°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	GRAND BAY , AL (PVT )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	08:30 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>	218 ft msl	<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	On-ground
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	30.770584,-88.259422(est)

## Administrative Information

**Investigator In Charge (IIC):** Fouts, Charels

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=6153>

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