



National Transportation Safety Board Aviation Accident Data Summary

Location:	SYLVANIA, GA	Accident Number:	ATL92LA171
Date & Time:	09/01/1992, 0945 EDT	Registration:	N9450G
Aircraft:	CESSNA 188	Injuries:	1 Minor
Flight Conducted Under:	Part 137: Agricultural		

Analysis

THE PILOT COMPLETED A PREFLIGHT INSPECTION WHICH INCLUDED CHECKING FUEL SAMPLES FOR CONTAMINATES; NO CONTAMINATES WERE REPORTED. THE PILOT LOADED THE CHEMICALS ON THE AIRPLANE, FLEW 15 MINUTES TO THE SOYBEAN FIELD AND STARTED THE SPRAYING OPERATION. AFTER SPAYING ABOUT 100 GALLONS, THE AIRPLANE COLLIDED WITH TREES SURROUNDING THE FIELD. THE PILOT DID NOT RECALL THE EVENTS OF THE ACCIDENT, NOR WERE THERE WITNESSES TO THE ACCIDENT. HOWEVER, TWO PEOPLE NEAR THE ACCIDENT SITE, RECALLED DIFFERENT ACCOUNTS OF THE ENGINE OPERATION PRIOR TO THE COLLISION. AN EXAMINATION OF THE ENGINE REVEALED THE PRESENCE OF WATER IN THE FUEL MANIFOLD VALVE AND NUMBER 6 CYLINDER; IMPACT FORCES DAMAGED THE FUEL TANKS. THE ENGINE OPERATED NORMALLY DURING THE POST-CRASH EXAMINATION.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
AN INADEQUATE PREFLIGHT INSPECTION BY THE PILOT WHICH RESULTED IN FUEL CONTAMINATION AND A LOSS OF ENGINE POWER.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

1. (C) FLUID,FUEL - CONTAMINATION
2. (C) FLUID,FUEL - WATER
3. (C) AIRCRAFT PREFLIGHT - INADEQUATE - PILOT IN COMMAND

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

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

Findings

4. MISC EQPT/FURNISHINGS,SHOULDER HARNESS - FAILURE,TOTAL
5. MISC EQPT/FURNISHINGS,SHOULDER HARNESS - DETERIORATED

Pilot Information

Certificate:	Commercial	Age:	23
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine
Flight Time:	3835 hours (Total, all aircraft), 2145 hours (Total, this make and model), 3675 hours (Pilot In Command, all aircraft), 350 hours (Last 90 days, all aircraft), 175 hours (Last 30 days, all aircraft), 15 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N9450G
Model/Series:	188 188	Engines:	1 Reciprocating
Operator:	HILDE, RICHARD L.	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:		Engine Model/Series:	IO-520
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SAV, 51 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 100°
Temperature:	31°C	Visibility	6 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): PHILLIP POWELL Adopted Date: 06/21/1993

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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