



Aviation Investigation Final Report

Location:	ROCK DELL, Minnesota	Accident Number:	CHI00LA198
Date & Time:	July 15, 2000, 15:56 Local	Registration:	N9957J
Aircraft:	Cessna T188C	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The aircraft was substantially damaged when it failed to clear crops on takeoff. In a written statement, the pilot stated, 'Took off from Austin at 3:30. Went to farm Hay field landed. Loaded plane with chemical (160 gal.) to spray a soybean field across the road. On the takeoff run got airborne but couldn't clear hill at end of field. Wind had died by then. Dumped part of the load but not soon enough. Tried to land in the field going up hill. Dirt was soft and plane veered left and nosed over and stopped.' Weather at Rochester, MN, reported at 1354, gave winds as 040 degrees at 6 knots. Winds reported at 1454 were 080 degrees at 8 knots. Winds reported 2 minutes prior to the accident were 060 degrees at 6 knots. Winds reported at 1654 were 090 degrees at 5 knots.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the failure of the pilot to maintain clearance with the terrain.

Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF

Findings

1. (C) CLEARANCE - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: NOSE OVER
Phase of Operation: TAKEOFF

Factual Information

On July 15, 2000, at 1556 central daylight time, a Cessna T188C, N9957J, piloted by a commercial pilot, was substantially damaged when the aircraft failed to clear the terrain on the takeoff from a private field near Rock Dell, Minnesota. The flight was operating under the provision of 14 CFR Part 137, and was not operating on a flight plan. Visual meteorological conditions prevailed at the time of the accident. The pilot reported no injuries. The local, aerial application flight was originating at the time of the accident.

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Pilot Information

Certificate:	Commercial	Age:	38, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Center
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Unknown	Last FAA Medical Exam:	January 7, 2000
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	2000 hours (Total, all aircraft), 1500 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N9957J
Model/Series:	T188C T188C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:		Serial Number:	T18803886T
Landing Gear Type:		Seats:	
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental
ELT:		Engine Model/Series:	TSIO-520
Registered Owner:	MIDWEST AG-AIR INC	Rated Power:	300 Horsepower
Operator:		Operating Certificate(s) Held:	
Operator Does Business As:		Operator Designator Code:	M40G

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	RST ,1317 ft msl	Distance from Accident Site:	
Observation Time:	15:54 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	60°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	26°C / 17°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(PVT)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	15:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	PVT	Runway Surface Type:	Grass/turf
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	43.559993,-92.710319(est)

Administrative Information

Investigator In Charge (IIC):	Sullivan, Pamela
Additional Participating Persons:	RICHARD SHEARMEN; MINNEAPOLIS , MN
Original Publish Date:	April 6, 2001
Last Revision Date:	
Investigation Class:	Class
Note:	The NTSB traveled to the scene of this accident.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=49722

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