



National Transportation Safety Board Aviation Accident Data Summary

Location:	GRAND ISLAND, NE	Accident Number:	CHI91DCJ04
Date & Time:	08/01/1991, 0900 CDT	Registration:	N2872J
Aircraft:	CESSNA T188C	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

THE PILOT STATED HE WAS MAKING A LOW PASS (ABOUT 4 FEET ABOVE THE CROPS) FOR PURPOSE OF AERIAL APPLICATION WHEN 'THE ENGINE SURGED...' WHEN HE LOOKED DOWN TO TROUBLESHOOT THE PROBLEM HE TOOK HIS EYES OFF THE CROP. HE REPORTED 'THE NEXT THING I KNEW I WAS IN THE CORN, I PULLED BACK OUT OF IT, BUT THE INTAKE HAD INGESTED TOO MUCH CORN. THE ENGINE SEEMED LIKE IT WAS RUNNING ON 3 CYLINDERS...' THE AIRPLANE STRUCK A ROW OF CEDAR AND SETTLED INTO A CORN FIELD.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO MAINTAIN ADEQUATE CLEARANCE FROM CROPS DURING AERIAL APPLICATION MANEUVERS. RELATED FACTORS ARE THE FAILURE OF A PROPELLER PITCH CHANGE MECHANISM AND THE PILOT'S DIVERTED ATTENTION.

Findings

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

Findings

1. (F) PROPELLER SYSTEM/ACCESSORIES,PITCH CHANGE MECH - FAILURE,TOTAL
2. PROPELLER SYSTEM/ACCESSORIES - SURGE
3. LOW PASS
4. (F) DIVERTED ATTENTION - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

5. TERRAIN CONDITION - CROP
6. (C) CLEARANCE - NOT MAINTAINED - PILOT IN COMMAND

Pilot Information

Certificate:	Airline Transport	Age:	39
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	
Flight Time:	3125 hours (Total, all aircraft), 404 hours (Total, this make and model), 3125 hours (Pilot In Command, all aircraft), 315 hours (Last 90 days, all aircraft), 60 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N2872J
Model/Series:	T188C T188C	Engines:	1 Reciprocating
Operator:	MUCKEL'S	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:		Engine Model/Series:	TS10-520T
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Light and Variable / ,
Temperature:	-18° C	Visibility	0 Miles
Precipitation and Obscuration:			
Departure Point:	PROSSER, NE (NONE)	Destination:	

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
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	James H Owens	Adopted Date:	03/09/1993
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 pubin@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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