



National Transportation Safety Board Aviation Accident Data Summary

Location:	GARRISON, ND	Accident Number:	DEN87LA140
Date & Time:	06/01/1987, 1130 CDT	Registration:	N72415
Aircraft:	CESSNA TU206D	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Other Work Use		

Analysis

THE PLT AND A PHOTOGRAPHER WERE PHOTO-MAPPING AT 3,000 FEET MSL. THE PLT REPORTED THAT THE ENGINE QUIT AT CRUISE. THE PLT SELECTED A GRAVEL ROAD FOR THE FORCED LANDING. THE AIRCRAFT LANDED SHORT OF THE INTENDED TOUCHDOWN POINT IN A PLOWED FIELD AND ON TOUCHDOWN THE NOSE WHEEL 'DUG IN' AND THE AIRCRAFT NOSED OVER. A POST-ACCIDENT INSPECTION REVEALED THE NUMBER ONE ENGINE CYLINDER HAD A CATASTROPHIC CRACK NEAR THE TOP OF THE CYLINDER.

Probable Cause

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

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: CRUISE - NORMAL

Findings

1. (C) ENGINE ASSEMBLY,CYLINDER - CRACKED

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: NOSE OVER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

2. (F) PROPER GLIDEPATH - NOT ATTAINED - PILOT IN COMMAND
3. (F) TERRAIN CONDITION - SOFT
4. (F) TERRAIN CONDITION - UPHILL

Pilot Information

Certificate:	Commercial	Age:	27
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	2290 hours (Total, all aircraft), 955 hours (Total, this make and model), 2130 hours (Pilot In Command, all aircraft), 118 hours (Last 90 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N72415
Model/Series:	TU206D TU206D	Engines:	1 Reciprocating
Operator:	ORTSEIFEN A. JOHN	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	TSIO-520-C
Flight Conducted Under:	Part 91: General Aviation - Other Work Use		

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:	20 knots / , 270°
Temperature:	27° C	Visibility	30 Miles
Precipitation and Obscuration:			
Departure Point:	BISMARCK, ND (BIS)	Destination:	

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	ROBERT B COLLINS	Adopted Date:	10/07/1988
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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