



National Transportation Safety Board Aviation Accident Data Summary

Location:	GREYBULL, WY	Accident Number:	FTW98LA201
Date & Time:	05/01/1998, 0900 MDT	Registration:	N3316Q
Aircraft:	Cessna 320D	Injuries:	5 None
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

After landing, the pilot turned the airplane around and back taxied towards the ramp. As he exited the runway, the left landing gear collapsed. Postaccident inspection revealed that the left landing gear bellcrank assembly sustained a stress overload, causing the assembly to break and shear both assembly bolts. The gear retract arm was also found broken. When the gear collapsed, the left wing and left horizontal stabilizer struck the ground and were substantially damaged.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: Stress overload failure of the bellcrank assembly of the left landing gear.

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: TAXI - FROM LANDING

Findings

1. (C) LANDING GEAR,GEAR LOCKING MECHANISM - FAILURE,TOTAL

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	57
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:	15508 hours (Total, all aircraft), 800 hours (Total, this make and model), 159 hours (Last 90 days, all aircraft), 42 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N3316Q
Model/Series:	320D 320D	Engines:	2 Reciprocating
Operator:	STAR WEST INDUSTRIES, INC.	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	On-demand Air Taxi (135)	Engine Model/Series:	TSIO-520-ECBB
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

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:	Calm / ,
Temperature:	7°C	Visibility	30 Miles
Precipitation and Obscuration:			
Departure Point:	EVANSTON, WY (EVW)	Destination:	(GEY)

Airport Information

Airport:	SOUTH BIG HORN COUNTY (GEY)	Runway Surface Type:	Asphalt
Runway Used:	33	Runway Surface Condition:	Dry
Runway Length/Width:	6300 ft / 100 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	4 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Latitude, Longitude:

Administrative Information

Investigator In Charge (IIC):	ARNOLD W SCOTT	Adopted Date:	01/28/2000
Investigation Docket:	NTSB accident and incident docket 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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