



National Transportation Safety Board Aviation Accident Data Summary

Location:	ANDREWS, TX	Accident Number:	FTW83LA030
Date & Time:	11/01/1982, 0113 CST	Registration:	N7521Z
Aircraft:	PIPER PA-25-235	Injuries:	1 None
Flight Conducted Under:	Part 133: Rotorcraft Ext. Load		

Analysis

WHILE ON AN AERIAL APPLICATION FLIGHT THE PILOT LANDED ON A GRAVEL ROAD. WHEN THE AIRCRAFT SPEED WAS REDUCED TO ABOUT 25 MPH THE LEFT WHEEL BROKE AND THE AIRCRAFT NOSED OVER. INSPECTION OF THE AIRCRAFT REVEALED THAT THE LEFT MAIN LANDING GEAR WHEEL BOLTS PULLED OUT OF THE OUTER AND INNER SEPARATED HALVES.

Probable Cause

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

Findings

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

Findings

1. TERRAIN CONDITION - LOOSE GRAVEL/SANDY
2. (C) LANDING GEAR,WHEEL - FAILURE,TOTAL

Occurrence #2: NOSE OVER
Phase of Operation: LANDING - ROLL

Pilot Information

Certificate:	Commercial	Age:	39
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):		Instructor Rating(s):	None
Flight Time:	1344 hours (Total, all aircraft), 230 hours (Total, this make and model), 174 hours (Last 90 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N7521Z
Model/Series:	PA-25-235 PA-25-235	Engines:	1 Reciprocating
Operator:	GLEEN W. HOGG	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:		Engine Model/Series:	O-540-B2B5
Flight Conducted Under:	Part 133: Rotorcraft Ext. Load		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Unknown
Lowest Ceiling:	Unknown / 0 ft agl	Wind Speed/Gusts, Direction:	/ ,
Temperature:		Visibility	0 Miles
Precipitation and Obscuration:			
Departure Point:	ANDREWS, TX	Destination:	ANDREWS, TX

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):	Adopted Date: 11/01/1983
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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