



National Transportation Safety Board Aviation Accident Data Summary

Location:	Fort Yukon, AK	Accident Number:	ANC02LA089
Date & Time:	08/01/2002, 1630 AKD	Registration:	N50718
Aircraft:	Helio H-295	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

The pilot reported that he was landing on a remote gravel strip when the right main landing gear tire/wheel separated from the airplane. He said the right main landing gear leg then dug into the ground, and the fuselage buckled at the landing gear attachment point. The pilot said he examined the right main landing gear axle, and found what he believes was a pre-existing crack where the axle failed.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The failure of the axle shaft, which resulted in the separation of the right main tire/wheel from the airplane on landing.

Findings

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

Findings

1. (C) LANDING GEAR, AXLE - FAILURE, TOTAL
2. LANDING GEAR, WHEEL - SEPARATION

Pilot Information

Certificate:	Commercial	Age:	58
Airplane Rating(s):	Single-engine Land; Single-engine Sea	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	7488 hours (Total, all aircraft), 291 hours (Total, this make and model), 7442 hours (Pilot In Command, all aircraft), 57 hours (Last 90 days, all aircraft), 28 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Helio	Registration:	N50718
Model/Series:	H-295	Engines:	1 Reciprocating
Operator:	Dawn E. Foster	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	On-demand Air Taxi (135)	Engine Model/Series:	GO-480
Flight Conducted Under:	Part 91: General Aviation - Business		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Weather Information Source:	Pilot
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	Light and Variable / , Variable
Temperature:	16°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Fort Yukon, AK	Destination:	Fort Yukon, AK

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:	67.954444, -148.233333		

Administrative Information

Investigator In Charge (IIC):	Lawrence R Lewis	Adopted Date:	04/29/2003
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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