



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Fort Yukon, AK	<b>Accident Number:</b>	ANC02LA089
<b>Date &amp; Time:</b>	08/01/2002, 1630 AKD	<b>Registration:</b>	N50718
<b>Aircraft:</b>	Helio H-295	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None

**Flight Conducted Under:** Part 91: General Aviation - Business

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On August 1, 2002, about 1630 Alaska daylight time, a wheel-equipped Helio H-295 airplane, N50718, sustained substantial damage when the right main landing gear axle failed during landing at a remote unimproved airstrip, about 124 miles northwest of Fort Yukon, Alaska. The airplane was being operated by Circle Air of Central, Alaska, as a visual flight rules (VFR) business flight under Title 14, CFR Part 91, at the time of the accident. The solo commercial pilot was not injured. Visual meteorological conditions prevailed, and company VFR flight following procedures were in effect. The flight originated at a remote airstrip along Your Creek, about 40 miles north of the accident site.

During a telephone conversation with the National Transportation Safety Board (NTSB) investigator-in-charge (IIC) on August 2, the pilot said as the airplane touched down, the right main wheel/tire separated from the landing gear. The right main landing gear leg then dug into the ground, and bent rearward. He said the fuselage structure and skin were damaged at the right main landing gear attachment point. He further stated that when he retrieved the wheel/tire, he noted that the axle was broken.

The pilot said prior to the accident there were no known mechanical anomalies with the airplane, but when he examined the broken axle he said he believed the failure was due to an "old crack."

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	58, Male
<b>Airplane Rating(s):</b>	Single-engine Land; Single-engine Sea	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	08/23/2001
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	06/14/2002
<b>Flight Time:</b>	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

<b>Aircraft Make:</b>	Helio	<b>Registration:</b>	N50718
<b>Model/Series:</b>	H-295	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal; Utility	<b>Serial Number:</b>	1268
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	05/29/2002, Annual	<b>Certified Max Gross Wt.:</b>	3800 lbs
<b>Time Since Last Inspection:</b>	20 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	4332 Hours as of last inspection	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	GO-480
<b>Registered Owner:</b>	Dawn E. Foster	<b>Rated Power:</b>	295 hp
<b>Operator:</b>	Dawn E. Foster	<b>Operating Certificate(s) Held:</b>	On-demand Air Taxi (135)
<b>Operator Does Business As:</b>	Circle Air	<b>Operator Designator Code:</b>	C6VC

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Light and Variable /	Turbulence Type Forecast/Actual:	/
Wind Direction:	Variable	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	16 ° C
Precipitation and Obscuration:			
Departure Point:	Fort Yukon, AK	Type of Flight Plan Filed:	Company VFR
Destination:	Fort Yukon, AK	Type of Clearance:	None
Departure Time:	1115 ADT	Type of Airspace:	Class G

## 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
Total Injuries:	1 None	Latitude, Longitude:	67.954444, -148.233333

## Administrative Information

Investigator In Charge (IIC):	Lawrence R Lewis
Additional Participating Persons:	Kenneth C Thomas; FAA Fairbanks FSDO-01; Fairbanks, AK
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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .