



Aviation Investigation Final Report

Location:	Nenana, Alaska	Accident Number:	ANC13CA046
Date & Time:	April 23, 2013, 16:00 Local	Registration:	N756DJ
Aircraft:	Cessna U206G	Aircraft Damage:	Substantial
Defining Event:	Sys/Comp malf/fail (non-power)	Injuries:	3 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that he taxied through loose snow and slush at the departure airport. The subsequent flight and landing took place in sub-freezing temperatures. On touchdown at the destination airport, the airplane veered to the right. The pilot applied left rudder to correct for the veer, but the airplane veered more sharply to the right, nosed down, and impacted a snow berm. The airplane sustained substantial damage to the left wing. Postaccident examination revealed that the right brake was locked by ice while the left brake moved freely. Subsequent disassembly of the right brake revealed no mechanical anomalies.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: Ice accretion in the right main landing gear wheel brake during departure, which prevented the right main landing gear from rotating on landing and resulted in a runway excursion and subsequent impact with a snow bank.

Findings

Environmental issues	Snow/slush/ice covered surface - Contributed to outcome
Aircraft	Landing gear brakes system - Damaged/degraded
Aircraft	Braking capability - Attain/maintain not possible

Factual Information

History of Flight

Landing-flare/touchdown	Sys/Comp malf/fail (non-power) (Defining event)
Landing-landing roll	Nose over/nose down
Landing-landing roll	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Commercial	Age:	70, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	Helicopter	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine; Helicopter; Powered-lift	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	February 7, 2013
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	August 17, 2012
Flight Time:	20000 hours (Total, all aircraft), 6000 hours (Total, this make and model), 70 hours (Last 90 days, all aircraft), 30 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N756DJ
Model/Series:	U206G	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	U20604005
Landing Gear Type:	Tricycle	Seats:	6
Date/Type of Last Inspection:	March 19, 2013 Annual	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	12508 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	C126 installed, not activated	Engine Model/Series:	IO 520 SERIES
Registered Owner:	BIK AIR	Rated Power:	300 Horsepower
Operator:	BIK AIR	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PANN,368 ft msl	Distance from Accident Site:	45 Nautical Miles
Observation Time:	15:53 Local	Direction from Accident Site:	313°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.37 inches Hg	Temperature/Dew Point:	-6°C / -9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fairbanks, AK (FAI)	Type of Flight Plan Filed:	Company VFR
Destination:	Nenana, AK (PVT)	Type of Clearance:	None
Departure Time:	15:30 Local	Type of Airspace:	

Airport Information

Airport:	Wolf Pack Mine PVT	Runway Surface Type:	Dirt;Gravel;Ice
Airport Elevation:	2000 ft msl	Runway Surface Condition:	Wet
Runway Used:	20	IFR Approach:	None
Runway Length/Width:	3000 ft / 100 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 None	Latitude, Longitude:	64.107223,-147.974166(est)

Administrative Information

Investigator In Charge (IIC):	Banning, David
Additional Participating Persons:	Larry K Gross; Federal Aviation Administration; Fairbanks, AK
Original Publish Date:	August 13, 2013
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=86907

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