



Aviation Investigation Final Report

Location:	Sleetmute, Alaska	Accident Number:	GAA16CA455
Date & Time:	August 17, 2016, 11:30 Local	Registration:	N8076Z
Aircraft:	Cessna U206	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation		

Analysis

The pilot reported that during the landing flare at an unpublished dirt airstrip, he entered a "low level [aerodynamic] stall." He further reported that due to the aerodynamic stall, and a "small rise" on the runway, the airplane touched down hard. During the landing roll, the pilot reported that the fuel "belly tank" installed under the fuselage separated from the airplane and the fuselage sustained substantial damaged.

The pilot did not report any mechanical malfunction or failure with the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's exceedance of the critical angle of attack during the landing flare, which resulted in an aerodynamic stall and a hard landing.

Findings

Personnel issues	Aircraft control - Pilot
Aircraft	Angle of attack - Capability exceeded
Environmental issues	(general) - Contributed to outcome
Environmental issues	(general) - Contributed to outcome

Factual Information

History of Flight

Landing-flare/touchdown	Aerodynamic stall/spin
Landing-flare/touchdown	Hard landing (Defining event)

Pilot Information

Certificate:	Private	Age:	67, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	February 23, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	January 20, 2015
Flight Time:	(Estimated) 6831 hours (Total, all aircraft), 6295 hours (Total, this make and model), 6790 hours (Pilot In Command, all aircraft), 150 hours (Last 90 days, all aircraft), 50 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N8076Z
Model/Series:	U206 A	Aircraft Category:	Airplane
Year of Manufacture:	1965	Amateur Built:	
Airworthiness Certificate:	Normal; Restricted (Special)	Serial Number:	U206-0476
Landing Gear Type:	Tricycle	Seats:	1
Date/Type of Last Inspection:	April 12, 2016 Annual	Certified Max Gross Wt.:	3600 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental
ELT:	C91 installed, activated, did not aid in locating accident	Engine Model/Series:	IO-520-F
Registered Owner:	On file	Rated Power:	300
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PASL,191 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	19:36 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	5 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	240°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.2 inches Hg	Temperature/Dew Point:	17°C / 12°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	SLEETMUTE, AK (SLQ)	Type of Flight Plan Filed:	Company VFR
Destination:	Sleetmute, AK (NONE)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

Airport Information

Airport:	Alaska Adventures Airstrip NONE	Runway Surface Type:	Dirt
Airport Elevation:	191 ft msl	Runway Surface Condition:	Dry
Runway Used:	NONE	IFR Approach:	None
Runway Length/Width:	2200 ft / 100 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	61.705276,-157.150283(est)

Administrative Information

Investigator In Charge (IIC):	Gerhardt, Adam
Additional Participating Persons:	Chuck Strange; FAA; Anchorage, AK
Original Publish Date:	December 5, 2016
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=93912

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