



National Transportation Safety Board Aviation Accident Final Report

Location:	Sleetmute, AK	Accident Number:	GAA16CA455
Date & Time:	08/17/2016, 1130 AKD	Registration:	N8076Z
Aircraft:	CESSNA U206	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

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The pilot reported that during the landing flare at an unpublished dirt airstrip, he entered a "low level [aerodynamic] stall."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

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

Factual Information

History of Flight

Landing-flare/touchdown	Aerodynamic stall/spin Hard landing (Defining event)
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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:	02/23/2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	01/20/2015
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:	No
Airworthiness Certificate:	Restricted; Normal	Serial Number:	U206-0476
Landing Gear Type:	Tricycle	Seats:	1
Date/Type of Last Inspection:	04/12/2016, 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 Conditions	Condition of Light:	Day
Observation Facility, Elevation:	PASL, 191 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1936 UTC	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:	1115 AKD	Type of Airspace:	Class G

Airport Information

Airport:	Alaska Adventures Airstrip (NONE)	Runway Surface Type:	Dirt
Airport Elevation:	191 ft	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:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	61.705278, -157.150278 (est)

Administrative Information

Investigator In Charge (IIC):	Adam M Gerhardt	Report Date:	12/05/2016
Additional Participating Persons:	Chuck Strange; FAA; Anchorage, AK		
Publish Date:	12/05/2016		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=93912		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).