



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Wasilla, AK	<b>Accident Number:</b>	GAA19CA430
<b>Date &amp; Time:</b>	07/09/2019, 1700 AKD	<b>Registration:</b>	N4245J
<b>Aircraft:</b>	Piper PA28	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Aerodynamic stall/spin	<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot reported that, during the landing flare, the airplane stalled and then fell the final 3 to 5 ft to the runway and landed hard. Subsequently, the nose landing gear tire "blew out," which resulted in the mounting framework collapsing. The airplane then veered right and exited the runway, and the right wing impacted a runway sign.

The airplane sustained substantial damage to the engine mount and right wing.

The pilot reported that there were no preaccident mechanical failures or malfunctions 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 improper landing flare, which resulted in an aerodynamic stall and subsequent hard landing, runway excursion, and collision with a sign.

## Findings

<b>Aircraft</b>	Landing flare - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Sign/marker - Effect on operation (Cause)

## Factual Information

### History of Flight

<b>Landing</b>	Aerodynamic stall/spin (Defining event) Hard landing Runway excursion Collision with terr/obj (non-CFIT)
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### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	56, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Without Waivers/Limitations	<b>Last FAA Medical Exam:</b>	06/17/2019
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	06/29/2019
<b>Flight Time:</b>	(Estimated) 250 hours (Total, all aircraft), 150 hours (Total, this make and model), 250 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Piper	<b>Registration:</b>	N4245J
<b>Model/Series:</b>	PA28 140	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1967	<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal; Utility	<b>Serial Number:</b>	28-22600
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	11/28/2018, Annual	<b>Certified Max Gross Wt.:</b>	2150 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3902.71 Hours as of last inspection	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	C91 installed, not activated	<b>Engine Model/Series:</b>	O-320 E2A
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	150 hp
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Unknown	Condition of Light:	Day
Observation Facility, Elevation:	PAAQ, 230 ft msl	Distance from Accident Site:	7 Nautical Miles
Observation Time:	0053 UTC	Direction from Accident Site:	101°
Lowest Cloud Condition:	Clear	Visibility	6 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	Variable	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.86 inches Hg	Temperature/Dew Point:	26°C / 14°C
Precipitation and Obscuration:	Moderate - Smoke; Moderate - Haze; No Obscuration; No Precipitation		
Departure Point:	Wasilla, AK (OAK1)	Type of Flight Plan Filed:	None
Destination:	Wasilla, AK (OAK1)	Type of Clearance:	None
Departure Time:	1530 AKD	Type of Airspace:	Class G

## Airport Information

Airport:	Anderson Lake (OAK1)	Runway Surface Type:	Gravel
Airport Elevation:	463 ft	Runway Surface Condition:	Dry
Runway Used:	08	IFR Approach:	None
Runway Length/Width:	1800 ft / 40 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	61.616944, -149.321667 (est)

## Administrative Information

Investigator In Charge (IIC):	Eric M Gutierrez	Report Date:	12/02/2019
Additional Participating Persons:	Robert M Griffin; FAA; Anchorage, AK		
Publish Date:	12/02/2019		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=99877">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=99877</a>		

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