



Aviation Investigation Final Report

Location:	Charlotte, North Carolina	Accident Number:	GAA19CA064
Date & Time:	November 16, 2018, 15:40 Local	Registration:	N8903X
Aircraft:	Cessna 182	Aircraft Damage:	Substantial
Defining Event:	Abnormal runway contact	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, during the preflight inspection, he did not observe any issues with the nosewheel tire. However, during touchdown at the destination airport, he felt something was wrong, so he pulled back on the controls. He added that the airplane "left the ground for a few seconds" and then landed hard the second time. He taxied to the ramp without further incident.

The airplane sustained substantial damage to the fuselage.

The airport's automated weather observation station reported that, about 12 minutes after the accident, the wind was from 220° at 5 knots. The pilot landed the airplane on runway 36R.

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 a hard landing.

Findings

Aircraft	Landing flare - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Environmental issues	Tailwind - Effect on operation

Factual Information

History of Flight

Landing	Abnormal runway contact (Defining event)
Landing	Hard landing

Pilot Information

Certificate:	Private	Age:	59,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
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:	July 6, 2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 18, 2018
Flight Time:	(Estimated) 279.7 hours (Total, all aircraft), 279.7 hours (Total, this make and model), 19.6 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N8903X
Model/Series:	182 D	Aircraft Category:	Airplane
Year of Manufacture:	1961	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18253303
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	February 16, 2018 Annual	Certified Max Gross Wt.:	2650 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3494.3 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	Installed, not activated	Engine Model/Series:	O-470-L
Registered Owner:		Rated Power:	230 Horsepower
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:	KCLT, 769 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	20:52 Local	Direction from Accident Site:	326°
Lowest Cloud Condition:	Scattered / 25000 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	220°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.04 inches Hg	Temperature/Dew Point:	14°C / 2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Asheville, NC (AVL)	Type of Flight Plan Filed:	None
Destination:	Charlotte, NC (CLT)	Type of Clearance:	VFR flight following
Departure Time:	15:00 Local	Type of Airspace:	Class B

Airport Information

Airport:	CHARLOTTE/DOUGLAS INTL CLT	Runway Surface Type:	Asphalt;Concrete
Airport Elevation:	747 ft msl	Runway Surface Condition:	Dry
Runway Used:	36R	IFR Approach:	None
Runway Length/Width:	8677 ft / 150 ft	VFR Approach/Landing:	Full stop

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:	35.214443,-80.947219(est)

Administrative Information

Investigator In Charge (IIC):	Benhoff, Kathryn
Additional Participating Persons:	Mark Reynolds; FAA; Charlotte, NC
Original Publish Date:	June 10, 2019
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=98656

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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](#).