



Aviation Investigation Final Report

Location:	Trenton, New Jersey	Accident Number:	GAA19CA322
Date & Time:	June 9, 2019, 15:10 Local	Registration:	N616AB
Aircraft:	Cirrus SR22	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, during landing with a crosswind, before touchdown, a wind gust pushed the airplane left. The airplane touched down, the pilot attempted to correct, but the airplane exited the runway to the left. The left wing struck the ground, and the empennage separated.

The airplane sustained substantial damage to the fuselage.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

An automated weather observation station located 15 miles southwest of the accident site reported that, about 16 minutes before the accident, the wind was from 090° at 18 knots, gusting to 22 knots. The pilot reported that the wind was variable from 080° to 110° and gusting between 12 and 18 knots. The pilot landed the airplane on runway 06.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's failure to maintain directional control during landing with gusting crosswind conditions, which resulted in a runway excursion and subsequent substantial damage.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Environmental issues	Crosswind - Effect on operation
Environmental issues	Gusts - Effect on operation

Factual Information

History of Flight

Landing	Other weather encounter
Landing	Loss of control on ground (Defining event)
Landing	Attempted remediation/recovery
Landing	Runway excursion
Landing	Collision with terr/obj (non-CFIT)
Landing	Part(s) separation from AC

Pilot Information

Certificate:	Private	Age:	53, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	July 16, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 8, 2017
Flight Time:	(Estimated) 353 hours (Total, all aircraft), 59 hours (Total, this make and model), 254 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cirrus	Registration:	N616AB
Model/Series:	SR22 Undesignat	Aircraft Category:	Airplane
Year of Manufacture:	2010	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	3616
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	November 1, 2018 Annual	Certified Max Gross Wt.:	3400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	791 Hrs as of last inspection	Engine Manufacturer:	Continental
ELT:	Installed, not activated	Engine Model/Series:	IO-550-N
Registered Owner:	On file	Rated Power:	315 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:	KPNE,105 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	18:54 Local	Direction from Accident Site:	219°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	18 knots / 22 knots	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	90°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.27 inches Hg	Temperature/Dew Point:	27°C / 8°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Williamsport, PA (IPT)	Type of Flight Plan Filed:	None
Destination:	Trenton, NJ (TTN)	Type of Clearance:	VFR
Departure Time:	14:10 Local	Type of Airspace:	Class D

Airport Information

Airport:	TRENTON MERCER TTN	Runway Surface Type:	Asphalt
Airport Elevation:	212 ft msl	Runway Surface Condition:	Dry
Runway Used:	06	IFR Approach:	None
Runway Length/Width:	6006 ft / 150 ft	VFR Approach/Landing:	Full stop;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:	40.273056,-74.808052(est)

Administrative Information

Investigator In Charge (IIC):	Benhoff, Kathryn
Additional Participating Persons:	James McShane; FAA; Philadelphia , PA
Original Publish Date:	November 6, 2019
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=99578

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