



Aviation Investigation Final Report

Location:	Union City, Tennessee	Accident Number:	ERA20CA048
Date & Time:	December 1, 2019, 07:00 Local	Registration:	N991WS
Aircraft:	Cirrus SR22	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, while landing, the airplane encountered a crosswind gust and drifted left. At touchdown, a second gust lifted the right wing, the airplane drifted off the runway centerline, and the left wing impacted grass. The pilot added power; however, the left wing continued to drag in the grass, the airplane exited the runway, and the landing gear collapsed. Both wings sustained substantial damage. 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 failure to maintain directional control during landing with a gusting crosswind, which resulted in a runway excursion and the left wing impacting grass.

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	Dragged wing/rotor/float/other
Landing	Runway excursion
Landing	Landing gear collapse

Pilot Information

Certificate:	Private	Age:	50, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	5-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	August 23, 2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	March 5, 2019
Flight Time:	1040 hours (Total, all aircraft), 165 hours (Total, this make and model), 935 hours (Pilot In Command, all aircraft), 46 hours (Last 90 days, all aircraft), 11 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Passenger Information

Certificate:		Age:	Female
Airplane Rating(s):		Seat Occupied:	Right
Other Aircraft Rating(s):		Restraint Used:	5-point
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Cirrus	Registration:	N991WS
Model/Series:	SR22 Undesignat	Aircraft Category:	Airplane
Year of Manufacture:	2004	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	1188
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	March 20, 2019 Annual	Certified Max Gross Wt.:	3400 lbs
Time Since Last Inspection:	135 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	1607 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:		Engine Model/Series:	IO 550N27
Registered Owner:	Orthoair LLC	Rated Power:	310 Horsepower
Operator:	Orthoair LLC	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Dawn
Observation Facility, Elevation:	UCY,345 ft msl	Distance from Accident Site:	5 Nautical Miles
Observation Time:	07:15 Local	Direction from Accident Site:	30°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	20 knots / 28 knots	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	260°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.63 inches Hg	Temperature/Dew Point:	7°C / -2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Dickson, TN (M02)	Type of Flight Plan Filed:	None
Destination:	Union City, TN (UCY)	Type of Clearance:	None
Departure Time:	06:35 Local	Type of Airspace:	Class E

Airport Information

Airport:	Everett-Stewart Rgnl UCY	Runway Surface Type:	Asphalt
Airport Elevation:	345 ft msl	Runway Surface Condition:	Dry
Runway Used:	19	IFR Approach:	None
Runway Length/Width:	6503 ft / 100 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	36.380001,-88.989997(est)

Administrative Information

Investigator In Charge (IIC):	Spencer, Lynn
Additional Participating Persons:	Daniel P Merrell; FAA/FSDO; Memphis, TN Brannon Mayer; Cirrus Aircraft; Duluth, MN
Original Publish Date:	June 16, 2020
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=100658

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