



Aviation Investigation Final Report

Location:	Marysville, Ohio	Accident Number:	GAA19CA204
Date & Time:	April 11, 2019, 15:30 Local	Registration:	N2238T
Aircraft:	Cessna R182	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 the landing roll, the wind caused the airplane's left wing to rise and that the airplane then veered right. He attempted to correct with aileron and rudder pedals, but the airplane exited the runway to the right. He added that the nose landing gear tire "went into the grass," and the airplane came to rest inverted.

The airplane sustained substantial damage to both wings and the vertical stabilizer.

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

The airport's automated weather observation station reported that, about 5 minutes after the accident, the wind was from 220° at 15 knots, gusting to 22 knots. The pilot landed the airplane on runway 27.

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 the landing roll in gusting crosswind conditions, which resulted in a runway excursion and nose-over.

Findings

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

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Attempted remediation/recovery
Landing-landing roll	Runway excursion
Landing-landing roll	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	20,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 With waivers/limitations	Last FAA Medical Exam:	September 12, 2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	February 4, 2019
Flight Time:	(Estimated) 126 hours (Total, all aircraft), 44 hours (Total, this make and model), 75 hours (Pilot In Command, all aircraft), 13 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2238T
Model/Series:	R182 No Series	Aircraft Category:	Airplane
Year of Manufacture:	1977	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	R18200002
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	February 15, 2019 Annual	Certified Max Gross Wt.:	3112 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4049.1 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C91 installed, activated, did not aid in locating accident	Engine Model/Series:	O-540-J3C5D
Registered Owner:		Rated Power:	235 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KMRT, 1021 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	19:35 Local	Direction from Accident Site:	282°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	15 knots / 22 knots	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	220°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.79 inches Hg	Temperature/Dew Point:	26°C / 10°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Zanesville, OH (ZZV)	Type of Flight Plan Filed:	IFR
Destination:	Marysville, OH (MRT)	Type of Clearance:	IFR
Departure Time:	15:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	UNION COUNTY MRT	Runway Surface Type:	Asphalt
Airport Elevation:	1020 ft msl	Runway Surface Condition:	Dry
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	4218 ft / 75 ft	VFR Approach/Landing:	Full stop;Straight-in

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:	40.224723,-83.35028(est)

Administrative Information

Investigator In Charge (IIC):	Benhoff, Kathryn
Additional Participating Persons:	John A Wolfe; FAA; Columbus, OH
Original Publish Date:	November 6, 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=99262

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