



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Buckeye, AZ	<b>Accident Number:</b>	GAA20CA045
<b>Date &amp; Time:</b>	10/14/2019, 0930 MST	<b>Registration:</b>	N441B
<b>Aircraft:</b>	AEROPRO CZ A220	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot reported that, during landing, the airplane encountered crosswind gusts from the left, and he aborted the landing. The airplane drifted right over the runway edge, and the tailwheel struck brush. The airplane's airspeed decreased, and the left wing "dipped into the wind." The airplane touched down on the left main landing gear, and it collapsed. The airplane sustained substantial damage to the left 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 failure to maintain directional control during an aborted landing with a crosswind, which resulted in tailwheel impacting vegetation and the left main landing gear collapsing.

## Findings

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<b>Aircraft</b>	Directional control - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Object/animal/substance - Effect on operation (Cause) Crosswind - Effect on operation (Cause)

## Factual Information

### History of Flight

<b>Landing</b>	Other weather encounter Loss of control on ground (Defining event) Collision with terr/obj (non-CFIT)
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### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	45, 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>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 None	<b>Last FAA Medical Exam:</b>	10/31/2018
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	04/27/2018
<b>Flight Time:</b>	(Estimated) 751.7 hours (Total, all aircraft), 28.2 hours (Total, this make and model), 607 hours (Pilot In Command, all aircraft), 46.9 hours (Last 90 days, all aircraft), 8.8 hours (Last 30 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	AEROPRO CZ	<b>Registration:</b>	N441B
<b>Model/Series:</b>	A220	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	2018	<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Special Light-Sport	<b>Serial Number:</b>	55118
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	09/27/2019, 100 Hour	<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	45 Hours at time of accident	<b>Engine Manufacturer:</b>	Rotax
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	914UL2
<b>Registered Owner:</b>	Redpole LLC	<b>Rated Power:</b>	115 hp
<b>Operator:</b>	Redpole LLC	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KBXK, 1021 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1635 UTC	Direction from Accident Site:	144°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	110°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.93 inches Hg	Temperature/Dew Point:	26° C / 7° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Marana, AZ (AVQ)	Type of Flight Plan Filed:	None
Destination:	Marana, AZ (AVQ)	Type of Clearance:	None
Departure Time:	0830 MST	Type of Airspace:	Class G

## Airport Information

Airport:	Buckeye Muni (BXK)	Runway Surface Type:	Asphalt
Airport Elevation:	1032 ft	Runway Surface Condition:	Dry; Soft; Vegetation
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	5500 ft / 75 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:	33.420556, -112.686111

## Administrative Information

Investigator In Charge (IIC):	Michael A Hicks	Report Date:	05/21/2020
Additional Participating Persons:	Charles Baxter; FAA; Scottsdale, AZ		
Publish Date:	05/21/2020		
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=100484">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=100484</a>		

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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](#).