



# Aviation Investigation Final Report

<b>Location:</b>	Oregon, Illinois	<b>Accident Number:</b>	CEN23LA288
<b>Date &amp; Time:</b>	July 3, 2023, 18:40 Local	<b>Registration:</b>	N5613B
<b>Aircraft:</b>	Airborne XT 582	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that his approach to a grass airstrip was too fast, which resulted in the airplane bouncing after landing. Subsequently, the airplane veered off the runway into a cornfield, and contacted trees. The airplane sustained substantial damage to both wings. The pilot reported there were no mechanical malfunctions or failures 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 after a bounced landing.

## Findings

<b>Personnel issues</b>	Aircraft control - Pilot
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## Factual Information

### History of Flight

<b>Landing</b>	Abnormal runway contact
<b>Landing-landing roll</b>	Loss of control on ground (Defining event)
<b>Landing-landing roll</b>	Runway excursion
<b>Landing-landing roll</b>	Collision with terr/obj (non-CFIT)

### Pilot Information

<b>Certificate:</b>	Sport Pilot	<b>Age:</b>	49, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	3-point
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	
<b>Medical Certification:</b>	Sport pilot	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	July 10, 2022
<b>Flight Time:</b>	83 hours (Total, all aircraft), 66 hours (Total, this make and model), 47 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Airborne	<b>Registration:</b>	N5613B
<b>Model/Series:</b>	XT 582 NO SERIES	<b>Aircraft Category:</b>	Weight-shift
<b>Year of Manufacture:</b>	2005	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Experimental light sport (Special)	<b>Serial Number:</b>	XT582-0001
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	August 21, 2022 Annual	<b>Certified Max Gross Wt.:</b>	992 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	487 Hrs at time of accident	<b>Engine Manufacturer:</b>	Rotax
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	582
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	65 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KFEP, 859 ft msl	<b>Distance from Accident Site:</b>	23 Nautical Miles
<b>Observation Time:</b>	18:15 Local	<b>Direction from Accident Site:</b>	310°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	3 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	280°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.92 inches Hg	<b>Temperature/Dew Point:</b>	30°C / 20°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Mount Morris, IL (C55)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Mount Morris, IL (C55)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	18:30 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	Private Airstrip NA	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	709 ft msl	<b>Runway Surface Condition:</b>	Vegetation
<b>Runway Used:</b>	NA	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	800 ft / 100 ft	<b>VFR Approach/Landing:</b>	Full stop

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	42.01,-89.33(est)

## Administrative Information

Investigator In Charge (IIC):	Abraham, Laura
Additional Participating Persons:	Scott Lambrecht; FAA; Chicago, IL
Original Publish Date:	October 17, 2023
Last Revision Date:	
Investigation Class:	<a href="#">Class 4</a>
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	<a href="https://data.nts.gov/Docket?ProjectID=192570">https://data.nts.gov/Docket?ProjectID=192570</a>

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