



# Aviation Investigation Final Report

<b>Location:</b>	Willoughby, Ohio	<b>Accident Number:</b>	CEN13CA215
<b>Date &amp; Time:</b>	March 30, 2013, 14:39 Local	<b>Registration:</b>	N1267G
<b>Aircraft:</b>	Cessna 310Q	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Birdstrike	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that a hawk impacted the right wing of the airplane while he was conducting a practice instrument approach in visual conditions. The flight was at 3,000 feet mean sea level and outside the final approach fix at the time of the impact. The pilot maintained control of the airplane and transitioned to a visual approach, subsequently executing a straight-in, no-flap landing without further incident. The airplane sustained substantial damage to the right wing as a result of the collision.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A bird strike during a practice instrument approach in visual conditions.

## Findings

<b>Environmental issues</b>	Animal(s)/bird(s) - Contributed to outcome
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## Factual Information

### History of Flight

<b>Approach-IFR initial approach</b>	Birdstrike (Defining event)
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### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	59, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-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 With waivers/limitations	<b>Last FAA Medical Exam:</b>	September 30, 2011
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	October 23, 2011
<b>Flight Time:</b>	1254 hours (Total, all aircraft), 879 hours (Total, this make and model), 1202 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N1267G
<b>Model/Series:</b>	310Q	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	310Q1118
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	April 5, 2012 Annual	<b>Certified Max Gross Wt.:</b>	5200 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>	4558 Hrs as of last inspection	<b>Engine Manufacturer:</b>	CONT MOTOR
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-470
<b>Registered Owner:</b>	J R AVIATION INC	<b>Rated Power:</b>	260 Horsepower
<b>Operator:</b>	J R AVIATION INC	<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>	CGF,879 ft msl	<b>Distance from Accident Site:</b>	5 Nautical Miles
<b>Observation Time:</b>	14:45 Local	<b>Direction from Accident Site:</b>	236°
<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>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	240°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.13 inches Hg	<b>Temperature/Dew Point:</b>	12°C / -5°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Willoughby, OH (CGF)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Willoughby, OH (CGF)	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	13:00 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Cuyahoga County CGF	<b>Runway Surface Type:</b>	Concrete
<b>Airport Elevation:</b>	879 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	24	<b>IFR Approach:</b>	ILS
<b>Runway Length/Width:</b>	5102 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>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	41.565277,-81.486389(est)

## Administrative Information

**Investigator In Charge (IIC):** Sorensen, Timothy

**Additional Participating Persons:**

**Original Publish Date:** August 7, 2013

**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=86556>

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