



Aviation Investigation Final Report

Location: Blaine, Minnesota Accident Number: CEN09CA049

Date & Time: November 3, 2008, 19:15 Local Registration: N558SR

Aircraft: CIRRUS DESIGN CORP SR22 Aircraft Damage: Substantial

Defining Event: Wildlife encounter (non-bird) **Injuries:** 2 None

Flight Conducted Under: Part 91: General aviation - Personal

Analysis

The pilot reported that a deer impacted the airplane during the night takeoff roll just prior to rotation. The deer impacted the nose and left wing resulting in substantial damage.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The deer impacting the airplane during takeoff roll.

Findings

Environmental issues Animal(s)/bird(s) - Effect on equipment

Factual Information

History of Flight

Takeoff	Wildlife encounter (non-bird) (Defining event)

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	45,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	June 9, 2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	September 27, 2007
Flight Time:	2198 hours (Total, all aircraft), 778 hours (Total, this make and model), 2140 hours (Pilot In Command, all aircraft), 16 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CIRRUS DESIGN CORP	Registration:	N558SR
Model/Series:	SR22	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	2193
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	September 4, 2008 Annual	Certified Max Gross Wt.:	3600 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	398 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	C126 installed, not activated	Engine Model/Series:	IO-550-N
Registered Owner:	CARDINAL CAPITAL LLC	Rated Power:	310 Horsepower
Operator:	CARDINAL CAPITAL LLC	Operating Certificate(s) Held:	None

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Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Night
Observation Facility, Elevation:	ANE,912 ft msl	Distance from Accident Site:	
Observation Time:	18:52 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	13 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	170°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.8 inches Hg	Temperature/Dew Point:	20°C / 13°C
Precipitation and Obscuration:	No Obscuration; No Precipita	ition	
Departure Point:	Blaine, MN (ANE)	Type of Flight Plan Filed:	Unknown
Destination:	Blaine, MN (ANE)	Type of Clearance:	VFR
Departure Time:	19:15 Local	Type of Airspace:	

Airport Information

Airport:	Anoka County-Blaine Airport ANE	Runway Surface Type:	Asphalt
Airport Elevation:	912 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	4855 ft / 100 ft	VFR Approach/Landing:	None

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:	45.144721,-93.210281(est)

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Administrative Information

Investigator In Charge (IIC):	Malinowski, Edward	
Additional Participating Persons:	Robert Spurlin; Federal Aviation Administration; Minneapolis, MN	
Original Publish Date:	December 3, 2008	
Last Revision Date:		
Investigation Class:	<u>Class</u>	
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=69396	

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation—railroad, transit, highway, marine, pipeline, and commercial space. We determine the probable causes of the accidents and events we investigate, and issue safety recommendations aimed at preventing future occurrences. In addition, we conduct transportation safety research studies and offer information and other assistance to family members and survivors for each accident or event we investigate. We also serve as the appellate authority for enforcement actions involving aviation and mariner certificates issued by the Federal Aviation Administration (FAA) and US Coast Guard, and we adjudicate appeals of civil penalty actions taken by the FAA.

The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, "accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person" (Title 49 *Code of Federal Regulations* section 831.4). Assignment of fault or legal liability is not relevant to the NTSB's statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 *United States Code* section 1154(b)). A factual report that may be admissible under 49 *United States Code* section 1154(b) is available <a href="https://example.com/hereigness/report-related-to-section-need-to-section

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