



# Aviation Investigation Final Report

<b>Location:</b>	Sandpoint, Idaho	<b>Accident Number:</b>	LAX08CA186
<b>Date &amp; Time:</b>	June 16, 2008, 21:30 Local	<b>Registration:</b>	N1018S
<b>Aircraft:</b>	Alon A2	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Wildlife encounter (non-bird)	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that he was performing touch-and-go landings on runway 01. Following the third landing, right at liftoff on departure (70 to 75 mph), the right wing struck a deer. The airplane veered right, and the pilot was unable to regain control. The airplane impacted the airport's perimeter fence. Both wings were damaged, the empennage was nearly separated from the fuselage, and the empennage was broken at two locations. The sun had set approximately 40 minutes before the accident.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The airplane struck a deer on the runway while performing touch-and-go landings. Contributing to the accident was the dusk light condition.

## Findings

<b>Environmental issues</b>	Animal(s)/bird(s) - Not specified
<b>Personnel issues</b>	Aircraft control - Pilot
<b>Environmental issues</b>	Fence/fence post - Not specified
<b>Environmental issues</b>	Low light - Contributed to outcome

## Factual Information

### History of Flight

<b>Takeoff</b>	Wildlife encounter (non-bird) (Defining event)
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### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	55, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3	<b>Last FAA Medical Exam:</b>	July 1, 2006
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	208 hours (Total, all aircraft), 97 hours (Total, this make and model), 17 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Alon	<b>Registration:</b>	N1018S
<b>Model/Series:</b>	A2	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	A-202
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>		<b>Certified Max Gross Wt.:</b>	1450 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>		<b>Engine Model/Series:</b>	C90-16F
<b>Registered Owner:</b>	Jan K. Lee	<b>Rated Power:</b>	90 Horsepower
<b>Operator:</b>		<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>	Dusk
<b>Observation Facility, Elevation:</b>	SZT,2131 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	21:20 Local	<b>Direction from Accident Site:</b>	
<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>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.05 inches Hg	<b>Temperature/Dew Point:</b>	18°C / 7°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Sandpoint, ID (SZT)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	(SZT)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	21:00 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Sandpoint Airport SZT	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	2131 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	01	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5501 ft / 75 ft	<b>VFR Approach/Landing:</b>	None

## 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>	48.299446,-116.560279

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Struhsaker, James
<b>Additional Participating Persons:</b>	Federal Aviation Administration; Boise, ID
<b>Original Publish Date:</b>	July 30, 2008
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=68243">https://data.ntsb.gov/Docket?ProjectID=68243</a>

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