



Aviation Investigation Final Report

Location:	Denver, Colorado	Accident Number:	CEN09CA179
Date & Time:	February 25, 2009, 16:31 Local	Registration:	N75WY
Aircraft:	AVIAT AIRCRAFT INC A-1C	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The private pilot was cleared by tower to take runway 17 for takeoff, " when a gust of wind picked up the left wing" and rotated the aircraft approximately 45 degrees to the right. The right wing made contact with the runway. The aircraft came to rest in an upright position with the nose on the runway. Substantial damage was confined to the firewall and damage to the right main landing gear, and propeller. The pilot and passenger were not injured. Weather reportedd at the departure airport 10 minutes after the accident indicated winds from 160 degrees at 21 knots with gusts to 30 knots.

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 control during taxi. A contributing factor was the gusty winds.

Findings

Personnel issues	Aircraft control - Pilot
Aircraft	(general) - Not attained/maintained
Environmental issues	Gusts - Not specified

Factual Information

History of Flight

Taxi-into takeoff position	Loss of control on ground (Defining event)
Taxi-into takeoff position	Dragged wing/rotor/float/other
Taxi-into takeoff position	Landing gear collapse

Pilot Information

Certificate:	Private	Age:	26, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	January 10, 2007
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	322 hours (Total, all aircraft), 52 hours (Total, this make and model), 13 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AVIAT AIRCRAFT INC	Registration:	N75WY
Model/Series:	A-1C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	3013
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	113 Hrs at time of accident	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-360-A1P
Registered Owner:	On file	Rated Power:	180 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KAPA, 5885 ft msl	Distance from Accident Site:	
Observation Time:	16:42 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Few / 8000 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	21 knots / 30 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.78 inches Hg	Temperature/Dew Point:	16°C / 8°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Denver, CO (KAPA)	Type of Flight Plan Filed:	None
Destination:	Denver, CO (KAPA)	Type of Clearance:	None
Departure Time:	16:31 Local	Type of Airspace:	

Airport Information

Airport:	Centennial Airport KAPA	Runway Surface Type:	
Airport Elevation:	5885 ft msl	Runway Surface Condition:	
Runway Used:		IFR Approach:	None
Runway Length/Width:		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:	39.568611,-104.842781(est)

Administrative Information

Investigator In Charge (IIC):	Gamble, William
Additional Participating Persons:	Sean Shambo; Federal Aviation Administration, FSDO; Denver, CO
Original Publish Date:	May 12, 2009
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=73408

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