



Aviation Investigation Final Report

Location:	St. Johns, Arizona	Accident Number:	WPR10CA153
Date & Time:	March 6, 2010, 17:00 Local	Registration:	N134DD
Aircraft:	AVIAT AIRCRAFT INC A-1C-200	Aircraft Damage:	Substantial
Defining Event:	Collision with terr/obj (non-CFIT)	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that he was departing to the southwest in the tailwheel-equipped airplane. He reported that shortly after liftoff the airplane encountered a gust of wind that "blew the aircraft sideways." Despite the pilot's control inputs, he was unable to recover and the airplane impacted the ground in a nose-low, right bank attitude. The airplane sustained substantial damage to both wings and fuselage. The pilot reported that the winds at the time of the accident were from 200 degrees at 13 knots, gusting to 37 knots. The pilot reported that there were no mechanical deficiencies with the airplane prior to the accident. He noted in his written statement that the accident could have been prevented if he had postponed the departure until wind conditions improved.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate compensation for the crosswind gusts and failure to maintain proper runway alignment during takeoff.

Findings

Aircraft	Directional control - Not attained/maintained
Environmental issues	Gusts - Response/compensation

Factual Information

History of Flight

Takeoff	Loss of control in flight
Takeoff	Collision with terr/obj (non-CFIT) (Defining event)

Pilot Information

Certificate:	Private	Age:	24, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	May 7, 2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	February 5, 2010
Flight Time:	222 hours (Total, all aircraft), 41 hours (Total, this make and model), 193 hours (Pilot In Command, all aircraft), 82 hours (Last 90 days, all aircraft), 16 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AVIAT AIRCRAFT INC	Registration:	N134DD
Model/Series:	A-1C-200	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	3015
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	March 2, 2010 Annual	Certified Max Gross Wt.:	2200 lbs
Time Since Last Inspection:	101 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	120 Hrs at time of accident	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	IO-360-A1D6
Registered Owner:	TEACO LEASING LLC	Rated Power:	200 Horsepower
Operator:	Travis Scott	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KSJN	Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Broken / 7500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	13 knots / 37 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.9 inches Hg	Temperature/Dew Point:	12°C / -1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	St. Johns, AZ (KSJN)	Type of Flight Plan Filed:	None
Destination:	Las Cruces, NM (KLRU)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

Airport Information

Airport:	St. Johns Industrial Airpark KSJN	Runway Surface Type:	Asphalt
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	3400 ft / 60 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:	34.518333,-109.378608

Administrative Information

Investigator In Charge (IIC):	Hogenson, Dennis
Additional Participating Persons:	Paula Behrend; FAA FSDO; Scottsdale, AZ
Original Publish Date:	July 1, 2010
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=75452

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