



Aviation Investigation Final Report

Location:	North Little Rock, Arkansas	Accident Number:	CEN09CA237
Date & Time:	April 5, 2009, 16:45 Local	Registration:	N9600D
Aircraft:	Piper PA-22-160	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot attempted takeoff with crosswinds that were 60 degrees off of the runway heading at 24 knots, gusting to 34 knots. Unable to keep the airplane on the runway centerline, the pilot reportedly elected to exit the downwind side of the concrete runway onto the grass. As the airplane exited the runway's edge it nosed over and came to rest in an inverted position. The airplane's wings and vertical stabilizer sustained structural damage. There were no reported mechanical malfunctions or failures with the airplane's flight controls.

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 wind conditions during takeoff.

Findings

Personnel issues	Aircraft control - Pilot
Aircraft	Crosswind correction - Capability exceeded
Environmental issues	Crosswind - Ability to respond/compensate

Factual Information

History of Flight

Takeoff	Loss of control on ground (Defining event)
Takeoff	Runway excursion
Takeoff	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	45, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
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 3 Without waivers/limitations	Last FAA Medical Exam:	November 8, 2007
Occupational Pilot:	No	Last Flight Review or Equivalent:	June 27, 1994
Flight Time:	254 hours (Total, all aircraft), 133 hours (Total, this make and model), 214 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N9600D
Model/Series:	PA-22-160	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22-6509
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	November 1, 2007 Annual	Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1983 Hrs at time of accident	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-320 SERIES
Registered Owner:	On file	Rated Power:	160 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:	LIT,262 ft msl	Distance from Accident Site:	6 Nautical Miles
Observation Time:	16:53 Local	Direction from Accident Site:	345°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	Broken / 4000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	24 knots / 32 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	12°C / 1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	North Little Rock, AR (ORK)	Type of Flight Plan Filed:	None
Destination:	Nashville, AR (M77)	Type of Clearance:	None
Departure Time:	16:45 Local	Type of Airspace:	

Airport Information

Airport:	North Little Rock Municipal ORK	Runway Surface Type:	Concrete
Airport Elevation:	545 ft msl	Runway Surface Condition:	Dry
Runway Used:	23	IFR Approach:	None
Runway Length/Width:	5002 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	34.833057,-92.25389(est)

Administrative Information

Investigator In Charge (IIC):	LeBaron, Timothy
Additional Participating Persons:	Chris Kliewer; Federal Aviation Administration; Little Rock, AR
Original Publish Date:	June 22, 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=73608

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