



National Transportation Safety Board Aviation Accident Data Summary

Location:	Lexington, KY	Accident Number:	ERA09CA156
Date & Time:	02/01/2009, 1850 EST	Registration:	N2620C
Aircraft:	ROBINSON HELICOPTER R22 BETA	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot of the Robinson R-22 stated that he was preparing for takeoff in the center of a non-movement area. Upon advancing the throttle to 100%, the helicopter began to spin rapidly to the left while still on the ground. The pilot attempted to completely lower the collective lever while reducing throttle to stop the rotation, but felt no noticeable effect. He then pulled the mixture control knob to stop the engine, coming to rest at the edge of a non-movement area. As the helicopter spun, it drifted until the tailboom contacted a snow bank incurring substantial damage. The pilot stated that he was wearing a heavy coat and boots at the time of the accident, which may have interfered with his ability to operate the collective and anti-torque pedal controls.

Flight Events

Standing-engine(s) start-up - Loss of control on ground

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain control of the helicopter during takeoff. Contributing to this accident was the interference of the flight controls by the heavy coat and boots the pilot was wearing.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Environmental issues-Task environment-Physical workspace-Access to equipment/controls-Ability to respond/compensate - F

Pilot Information

Certificate:	Private	Age:	51
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	None
Flight Time:	98 hours (Total, all aircraft), 63 hours (Total, this make and model), 36 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	ROBINSON HELICOPTER	Registration:	N2620C
Model/Series:	R22 BETA	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-320 SERIES
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KLEX, 979 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Night	Wind Speed/Gusts, Direction:	8 knots, 210°
Temperature:	7°C / -1°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Lexington, KY (LEX)	Destination:	Georgetown, KY (27K)

Airport Information

Airport:	Blue Grass Airport (LEX)	Runway Surface Type:	
Runway Used:	N/A	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Jose Obregon	Adopted Date:	05/12/2009
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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