



National Transportation Safety Board Aviation Accident Data Summary

Location:	Ashland, KY	Accident Number:	DEN08CA001
Date & Time:	10/02/2007, 1815 EDT	Registration:	N444PD
Aircraft:	Degelia Rotor Flight Dynamic	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

According to the pilot he was conducting touch and go landings. During the landing flare the nose of the gyroplane drifted to the right. The pilot reported that he was not able to compensate for the winds. The gyroplane impacted the runway with the left landing gear followed by the right landing gear. The gyroplane bounced and impacted the runway again, coming to rest on its side, resulting in minor damage. The pilot sustained serious injuries. The pilot reported winds 90 degrees to the runway at 10 to 15 miles per hour. An examination of the gyroplane's structure and systems revealed minor damage and no anomalies.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's failure to maintain aircraft control during the landing flare resulting in a hard landing. Contributing factors were the crosswind and the pilot's failure to recover from a bounced landing.

Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) WEATHER CONDITION - CROSSWIND
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Occurrence #2: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

2. (C) AIRCRAFT CONTROL - NOT MAINTAINED - PILOT IN COMMAND
 3. (F) RECOVERY FROM BOUNCED LANDING - NOT PERFORMED - PILOT IN COMMAND
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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. TERRAIN CONDITION - GROUND

Pilot Information

Certificate:	Private	Age:	55
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	Gyroplane	Instructor Rating(s):	None
Flight Time:	91 hours (Total, all aircraft), 66 hours (Total, this make and model), 3 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Degelia	Registration:	N444PD
Model/Series:	Rotor Flight Dynamic	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	Bombardier-Rotax
Air Carrier Operating Certificate:	None	Engine Model/Series:	Type 582
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KHTS	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	6 knots, 150°
Temperature:	27° C / 11° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Ashland, KY (KDWU)	Destination:	Ashland, KY (KDWU)

Airport Information

Airport:	Ashland Regional Airport (DWU)	Runway Surface Type:	Asphalt
Runway Used:	28	Runway Surface Condition:	Dry
Runway Length/Width:	5602 ft / 100 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Jennifer S Kaiser	Adopted Date:	11/29/2007
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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