

ACCIDENT

Aircraft Type and Registration:	Robinson R44 II Raven II, G-CDXX	
No & Type of Engines:	1 Lycoming IO-540-AE1A5 piston engine	
Year of Manufacture:	2005 (Serial no: 10624)	
Date & Time (UTC):	25 June 2015 at 1402 hrs	
Location:	Leicester Airport	
Type of Flight:	Private	
Persons on Board:	Crew - 1	Passengers - None
Injuries:	Crew - 1 (Minor)	Passengers - N/A
Nature of Damage:	Tail cone bent, main rotor blades damaged and right skid snapped	
Commander's Licence:	Private Pilot's Licence	
Commander's Age:	24 years	
Commander's Flying Experience:	96 hours (of which 9 were on type) Last 90 days - 9 hours Last 28 days - 6 hours	
Information Source:	Aircraft Accident Report Form submitted by the pilot	

A record of the accident was captured by two CCTV cameras. The helicopter was parked on a concrete extension that adjoined an apron adjacent to the helicopter operator's hangar facility at Leicester Airport. The pilot was intending to make a local flight and having completed his pre-flight checks, gradually increased the rotor rpm to about 80%. From the CCTV it can be observed that at about this time, the helicopter rapidly yawed to the left and rotated through about 290° before tipping over onto its right side. The helicopter came to rest with a sufficient gap between the forward right door, which had opened as the helicopter struck the ground, and the concrete apron to enable the pilot to vacate the helicopter unaided. The pilot reported sustaining minor injuries.

A rapid yaw to the left could be induced if too much left pedal is applied at the point of governor engagement due to the effectiveness of the tail rotor.