

No: 10/83

Ref: EW/G83/07/03

Aircraft type and registration:	Bell 47G 3B1 G-BCYZ (light single engine helicopter)	
Year of manufacture:	1967	
Date and time (GMT):	6 July 1983 at 1300 hrs	
Location:	Stonor, Henley-on-Thames	
Type of flight:	Aerial application	
Persons on board:	Crew – 1	Passengers – Nil
Injuries:	Crew – Nil	Passengers – N/A
Nature of damage:	Undercarriage destroyed plus damage to centre frame, under panels, firewall and spray equipment. Dynamic components shock loaded.	
Commander's Licence:	Commercial Pilot's Licence	
Commander's Age:	31 years	
Commander's total flying experience:	2747 hours (of which 120 hours were on type)	

The helicopter was taking off at a high, but less than maximum weight in light and variable wind conditions from a site in a steep wooded valley. The take off involved a straight climb out for approximately 200 yards then left 40° to avoid flying over houses, but it required flying over a road and a farm building. The power limit was reached after crossing the road and the additional collective pitch required to clear the approaching farm building resulted in overpitching. While attempting to restore rotor RPM a heavy landing was made on a hillside approximately 100 yards beyond the farm building. There were no injuries.