

No: 10/83

Ref: EW/G83/07/18

Aircraft type and registration:	Bell 47G 4A G-AXKN (light single engine helicopter)	
Year of manufacture:	1969	
Date and time (GMT):	21 July 1983 at 1725 hrs	
Location:	Tarvin, Cheshire	
Type of flight:	Aerial application	
Persons on board:	Crew – 1	Passengers – Nil
Injuries:	Crew – Nil	Passengers – N/A
Nature of damage:	Minor abrasions on main rotor blade tip and damage to tail rotor requiring replacement	
Commander's Licence:	Airline Transport Pilot's Licence (Helicopters)	
Commander's Age:	36 years	
Commander's total flying experience:	2300 hours (of which 1200 were on type)	

The aircraft was spraying a small field and the pilot decided to fly under a power line in order to minimise the drift of the spray onto a house and vegetable garden adjacent to the field. As the aircraft passed under the wire the pilot was aware of a loud bang as the fuse box tripped on a nearby pole. There was no feeling of impact and the aircraft handled normally. A normal landing was made in the next field and the aircraft shut down when the damage to the rotors was discovered. The power line had been severed.