

No: 6/88

Ref: EW/G88/04/10

Category: 1c

Aircraft Type and Registration: Amateur Construction Quickie Q2, G-BKBI

No & Type of Engines: 1 Revmaster 2100 piston engine

Year of Manufacture: 1984

Date and Time (UTC): 24 April 1988 at 1100 hrs

Location: Badminton Airfield, Avon

Type of Flight: Private (pleasure)

Persons on Board: Crew - 1 Passengers - None

Injuries: Crew - None Passengers - N/A

Nature of Damage: Damaged beyond economic repair

Commander's Licence: Private Pilot's Licence

Commander's Age: 32 years

Commander's Total Flying Experience: 200 hours (of which 86 were on type)

Information Source: Aircraft Accident Report Form submitted by the Pilot

After take-off from Badminton Airfield, when at a height of 70-100 feet, the pilot heard a bang followed by a loss of power and vibration. There were obstructions ahead and he turned left in the hope of completing a low-level circuit. However, the engine continued to lose power and he force-landed in a field to the left of the runway. Because the field sloped upwards and was rutted at 45° to his direction of travel, the aircraft cartwheeled and was severely damaged. The pilot evacuated the aircraft without injury.

Subsequent investigation revealed that the number 3 cylinder top spark plug had blown out of the cylinder head, causing the loss of power. The pilot, who is a licenced aircraft engineer has expressed some concern regarding the integrity of spark plug retention generally on this type of engine and his comments have been passed on to the Popular Flying Association for further investigation.