

Squarecraft SA102-5 Cavalier, G-BDLY

AAIB Bulletin No: 10/2003	Ref: EW/G2003/08/53	Category: 1.3
Aircraft Type and Registration:	Squarecraft SA102-5 Cavalier, G-BDLY	
No & Type of Engines:	1 Lycoming O-290-3 piston engine	
Year of Manufacture:	1982	
Date & Time (UTC):	31 August 2003 at 1045 hrs	
Location:	Brimpton Airfield, Berkshire	
Type of Flight:	Private	
Persons on Board:	Crew - 1	Passengers - None
Injuries:	Crew - 1 (Minor)	Passengers - N/A
Nature of Damage:	Substantial damage to wings, fuselage and cockpit	
Commander's Licence:	Private Pilot's Licence	
Commander's Age:	59 years	
Commander's Flying Experience:	430 hours (of which 300 were on type)	
	Last 90 days - 12 hours	
	Last 28 days - 5 hours	
Information Source:	Aircraft Accident Report Form submitted by the pilot	

The pilot had made an uneventful flight from Thruxton and joined the right-hand circuit for Runway 25 at Brimpton where the weather was CAVOK with a surface wind from the north at 6 to 12 kt. The pilot configured the aircraft for landing, selecting the first stage of flap on the base leg and landing flap on the final approach, which was flown at 60 kt. As the aircraft crossed the runway threshold it sank rapidly and landed firmly slightly left of the centreline. The crosswind caught the right wing and the aircraft began to veer to the left towards a line of parked aircraft. The pilot applied maximum braking in order to avoid colliding with the other aircraft and it tipped over onto its back. He managed to turn off the electrical master switch and release his four point harness; at the same time, other persons on the airfield quickly raised the tail of the aircraft and assisted the pilot from the cockpit.

The pilot felt that he was slow to react to the sink rate and the effects of a variable crosswind.