

Rans S6-ES, G-BYKE

AAIB Bulletin No: 5/2002	Ref: EW/G2002/03/16	Category: 1.3
Aircraft Type and Registration:	Rans S6-ES, G-BYKE	
No & Type of Engines:	1 Rotax 912-UL piston engine	
Year of Manufacture:	2001	
Date & Time (UTC):	17 March 2002 at 1208 hrs	
Location:	Enstone Airport, Oxon	
Type of Flight:	Private	
Persons on Board:	Crew - 1	Passengers - 1
Injuries:	Crew Minor	Passengers - Minor
Nature of Damage:	Aircraft destroyed	
Commander's Licence:	Private Pilots Licence	
Commander's Age:	44 years	
Commander's Flying Experience:	130 hours (of which 61 were on type)	
	Last 90 days - 12 hours	
	Last 28 days - 3 hours	
Information Source:	Aircraft Accident Report Form submitted by the pilot	

The pilot had planned a return flight from Hullavington to Enstone airfield. The outbound flight was uneventful and the aircraft landed at 1130 hrs. After a brief stop for refreshments the pilot prepared to take off from Runway 26 where the surface wind was reported to be 180°/15 kt. He decided, because of the crosswind component, to use the first stage of flap and rotate at a speed 10 kt greater than normal. Shortly after take off, at a height of approximately 20 feet, the aircraft rolled to the right. The pilot was unable to control the roll and the right wing and aircraft's nose struck the runway.

The passenger on seeing flames coming up through the cockpit floor vacated the aircraft immediately. The pilot delayed his escape until he had selected the fuel and the magnetos to OFF. The aircraft was eventually consumed by the fire however the pilot and passenger, who were both wearing lap and diagonal seat belts, received only minor injuries.

The pilot assessed the cause of the accident as being turbulence generated by the 15 kt crosswind passing over trees to the left of the runway. The published crosswind limit for the aircraft is 25 mph (21.7 kt).