

ACCIDENT

Aircraft Type and Registration:	Rans S10, G-OEYE	
No & Type of Engines:	1 Rotax 582 piston engine	
Year of Manufacture:	1991	
Date & Time (UTC):	15 October 2006 at 1705 hrs	
Location:	Otherton airfield, Staffordshire	
Type of Flight:	Private	
Persons on Board:	Crew - 1	Passengers - 1
Injuries:	Crew - 1 (Minor)	Passengers - 1 (Minor)
Nature of Damage:	Severe damage to wings and tail, beyond economic repair	
Commander's Licence:	Private Pilot's Licence	
Commander's Age:	47 years	
Commander's Flying Experience:	934 hours (of which 125 were on type) Last 90 days - 15 hours Last 28 days - 12 hours	
Information Source:	Aircraft Accident Report Form submitted by the pilot	

Synopsis

Whilst taking off from a grass airstrip, the aircraft's engine failed just as it became airborne. The pilot failed to maintain airspeed and the right wing dropped, resulting in a 'cartwheel'.

History of the flight

The aircraft was taking off on grass Runway 07 for a local flight. Although the pre-takeoff checks had been normal, a few seconds after rotation, approximately halfway along the runway, the engine lost power and then stopped. The pilot admits that he then did not manage his airspeed properly, resulting in a stall and

dropping of the right wing. As the wingtip touched the ground it swung the aircraft through more than 90° in a 'cartwheel' to the right before coming to rest. The pilot suffered a broken ankle, the passenger cuts to the head and bruising, and both were taken to hospital. Despite the extensive damage to the flying surfaces, the cockpit was "remarkably undamaged" according to the pilot.

No reason for the engine stopping has been found but the pilot believes that his lack of preparedness for the engine failure, and consequently having no plan what to do should it happen, was a major factor in the accident.