

No: 10/83

Ref: EW/G83/06/07

Aircraft type and registration:	Dragon Microlight (D-150) (single engined microlight aircraft) G-MMAF	
Year of Manufacture:	1983	
Date and time (GMT):	19 June 1983 at 1200 hrs	
Location:	Rhoose Beach	
Type of flight:	Instruction/training	
Persons on board:	Crew – 2	Passengers – Nil
Injuries:	Crew – Nil	Passengers – N/A
Nature of damage:	Undercarriage destroyed. Engine, propeller and fuselage structure damaged	
Commander's Licence:	Senior Commercial Pilot's Licence	
Commander's Age:	28 years	
Commander's total flying experience:	1430 hours (of which 2 hours were on type)	

During an instructional flight the engine was heard to overspeed, then underspeed, ending up with the engine/propeller speed fluctuating which resulted in a partial loss of power. The aircraft started a gradual descent when a further power loss occurred (approximately 80%) which resulted in a forced landing on a rocky beach. Subsequent examination revealed that the central propeller stud in the reduction drive unit had failed in fatigue resulting in a loss of drive to the propeller. The stud material had since been upgraded.