

No: 2/87

Ref: 1c

Aircraft type and registration:	Piper PA28 RT N32WC		
No & Type of engines:	1 TS10-360-F piston engine		
Year of Manufacture:	1979		
Date and time (UTC):	19 December 1986 at 1635 hrs		
Location:	Skelmarlie Mains Farm, Ayrshire, Scotland		
Type of flight:	Aerial work		
Persons on board:	Crew — 2	Passengers — None	
Injuries:	Crew — None	Passengers — N/A	
Nature of damage:	Damage to the wings and collapsed landing gear		
Commander's Licence:	Airline Transport Pilot's Licence		
Commander's Age:	29 years		
Commander's Total Flying Experience:	4300 hours (of which 26 were on type)		
Information Source:	Aircraft Accident Report Form submitted by the pilot		

Whilst flying between Stornoway and Skipness at flight level 100, the engine started to misfire. The emergency cockpit drills did not prevent a continued loss of power and the pilot made a PAN call announcing his intention to divert to Glasgow Airport. When 20 nm from the airport, all engine power was lost and, following a MAYDAY call, a landing was made in a field on the side of a hill. During the landing, the aircraft's left main landing gear collapsed and the left wing was damaged.

Despite damage to the aircraft, the diagonal upper torso restraint of both occupants withstood the impact and there was no fire.

Subsequent examination of the aircraft showed there to have been adequate fuel in both tanks. The engine had a history of sporadic rough running and, despite an injector change, this was not completely rectified. Nevertheless, a subsequent engine run, lasting some ten minutes, revealed nothing to suggest a cause for the failure, although this was carried out with fuel supplied by a ground rig. Samples of the fuel from the aircraft tanks have been retained for analysis.