

# Piper PA-18-180 Super Cub, G-ARGV, 23 August 1996

## AAIB Bulletin No: 10/96 Ref: EW/G96/08/23 Category: 1.3

<b>Aircraft Type and Registration:</b>	Piper PA-18-180 Super Cub, G-ARGV
<b>No &amp; Type of Engines:</b>	1 Lycoming O-360-A4A piston engine
<b>Year of Manufacture:</b>	1960
<b>Date &amp; Time (UTC):</b>	23 August 1996 at 1500 hrs
<b>Location:</b>	Deeside Gliding Club, Aboyne, Scotland
<b>Type of Flight:</b>	Private
<b>Persons on Board:</b>	Crew - 1 Passengers - None
<b>Injuries:</b>	Crew - None Passengers - N/A
<b>Nature of Damage:</b>	Damage to left wing and left landing gear, also rear fuselage structure distorted
<b>Commander's Licence:</b>	Private Pilot's Licence
<b>Commander's Age:</b>	52 years
<b>Commander's Flying Experience:</b>	490 hours (of which 385 were on type) Last 90 days - 14 hours Last 28 days - 1 hour
<b>Information Source:</b>	Aircraft Accident Report Form submitted by the pilot and AAIB enquiries

The accident occurred as the aircraft was taking off with a SZDPuchacz glider on tow, with two persons on board the glider. As the aircraft passed over the threshold at the departure end of the runway and at about 50 to 100 ft agl, the engine misfired. It then ran smoothly for a few seconds before stopping with a 'bang'. The glider was released and the tug pilot turned the aircraft towards a small field for a forced landing. The landing itself was satisfactory, but the field boundary was close and so the pilot initiated a turn to the right, during which the aircraft struck a fence with the left wing and left tailplane before coming to rest. The pilot, who was uninjured, was able to evacuate the aircraft normally. The glider landed and sustained some damage to its landing gear, but the two persons on board were unhurt.

Subsequently a fuel pipe restriction was found between the gascolator and carburettor. The pipe was found to be partly blocked due to internal delamination, or degradation.