

# Piper PA-28-140, G-AYJP

## AAIB Bulletin No: 5/98 Ref: EW/G98/02/17 Category: 1.3

<b>Aircraft Type and Registration:</b>	Piper PA-28-140, G-AYJP
<b>No &amp; Type of Engines:</b>	1 Lycoming O-320-E2A piston engine
<b>Year of Manufacture:</b>	1970
<b>Date &amp; Time (UTC):</b>	23 February 1998 at 1423 hrs
<b>Location:</b>	RAF Brize Norton, Oxon
<b>Type of Flight:</b>	Private (Training)
<b>Persons on Board:</b>	Crew - 1 - Passengers - None
<b>Injuries:</b>	Crew - None - Passengers - N/A
<b>Nature of Damage:</b>	Damage to right wing tip, nosewheel and propeller tips
<b>Commander's Licence:</b>	Student Pilot
<b>Commander's Age:</b>	26 years
<b>Commander's Flying Experience:</b>	23 hours (all on type) Last 90 days - 23 hours Last 28 days - 23 hours
<b>Information Source:</b>	Aircraft Accident Report Form submitted by the pilot

Having already carried out a total of eight dual circuits with an instructor using Runway 26, the student pilot was sent on his second solo flight. He had been briefed to carry out a touch-and-go landing followed by a circuit and full stop landing.

The pilot reported that the approach was flown normally using full flap and an approach speed of 85 mph, with the aircraft's main wheels touching down at the normal point on the runway at a speed of about 75 mph with the power at idle. Before nosewheel touchdown, the right wing lifted and the aircraft turned through about 90° to the left on the left main wheel only. Full opposite aileron was applied and the right wing tip and nosewheel struck the ground firmly. The aircraft came to a stop on the grass to the left side of the runway.

The pilot considered that the application of power to execute a go-around from the attitude and heading that occurred would have been dangerous, so he elected not to do so.

The surface wind was reported as being from 270°T at 9 kt.

The instructor was observing the approach from the Control Tower Visual Control Room. He reported that the initial touchdown appeared to be normal, but that the right wing lifted shortly afterwards and the aircraft ground looped, coming to a halt facing almost in the opposite direction. He commented that a wind fluctuation had been observed shortly after the aircraft's take off.

An aftercast from the Met Office indicated that at the time of the accident there was a weak trough of low pressure crossing the area from the north west. The surface wind veered to 290°T at 10 kt, with possible gusts to 20 kt, with the passage of the trough.

The instructor indicated that with the prevailing wind direction, some vortex or rotor may be produced at the runway threshold by the upwind hangars.