

**ACCIDENT**

<b>Aircraft Type and Registration:</b>	Piper PA-28-161 Cadet, G-CDEF	
<b>No &amp; Type of Engines:</b>	1 Lycoming O-320-D3G piston engine	
<b>Year of Manufacture:</b>	1994 (Serial no: 2841341)	
<b>Date &amp; Time (UTC):</b>	11 November 2016 at 1245 hrs	
<b>Location:</b>	Sandown (Isle of Wight) Airfield	
<b>Type of Flight:</b>	Private	
<b>Persons on Board:</b>	Crew - 1	Passengers - 2
<b>Injuries:</b>	Crew - None	Passengers - None
<b>Nature of Damage:</b>	Propeller and nosewheel	
<b>Commander's Licence:</b>	Airline Transport Pilot's Licence	
<b>Commander's Age:</b>	64 years	
<b>Commander's Flying Experience:</b>	23,618 hours (of which 17 were on type) Last 90 days - 143 hours Last 28 days - 68 hours	
<b>Information Source:</b>	Aircraft Accident Report Form submitted by the pilot	

The pilot stated that he was on a flight from Thruxton, Hampshire, to Sandown, Isle of Wight; an airfield he had not landed at before. Runway 05 was in use and the weather was good with a light wind.

The pilot established on the final approach at a planned approach speed of 70 kt<sup>1</sup>. At about 300 feet, with the IAS at about 65 kt, the pilot noticed that the runway threshold was displaced, so advanced the throttle to increase the speed and land beyond it. The aircraft landing firmly and bounced. After the second touchdown the pilot became aware that the nosewheel was damaged, but the aircraft bounced again, after which the propeller contacted the grass runway and the aircraft stopped. The pilot and passengers vacated uninjured and moved the aircraft clear of the runway.

The pilot believes the initial touchdown may have been just before the displaced threshold and on an upslope. Later he was informed by a witness at the local flying club that motion of the aircraft indicated pilot induced oscillation.

**Footnote**

<sup>1</sup> The PA-28's Pilot's Operating Handbook states that at its maximum landing weight (MLW) and Flap 40 the final approach speed should be 63 kt. The pilot had increased this to take into account a large passenger. However, the aircraft was less than the MLW.