

**No: 2/84**

**Ref: EW/G84/01/01**

**Aircraft type and registration:** Piper PA-28-180 G-AYAW (light single engine fixed wing aircraft)

**Year of manufacture:** 1970

**Date and time (GMT):** 9 January 1984 at 1305 hrs

**Location:** Hamble Aerodrome

**Type of flight:** Training

**Persons on board:** Crew – 2                      Passengers – Nil

**Injuries:** Crew – Nil                      Passengers – N/A

**Nature of damage:** Damage to propeller, nose gear assembly and engine bearers

**Commander's Licence:** Commercial Pilot's Licence

**Commander's Age:** 43 years

**Commander's total flying experience:** 7000 hours (of which 1800 hours were on type)

The aircraft was on a dual instructional sortie using grass runway 36 at Hamble. During the take-off run, with the student pilot at the controls, the nosewheel hit first one and then a second ridge in the runway surface just before reaching rotation speed. A heavy judder was felt followed by a loud bang and the aircraft's nose dropped. The throttle was closed and the take-off abandoned. Although the student used a normal take-off technique, it was some distance down the runway before he was correctly lined up ready for take-off. He was also slow in applying full power with the result that lift off point was much further along the runway than normal.