

Piper PA-28R-201T, G-SHUG

AAIB Bulletin No: 3/2001

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Aircraft Type and Registration: Piper PA-28R-201T, G-SHUG

No & Type of Engines: 1 Continental TSIO-360-FB9 piston engine

Year of Manufacture: 1977

Date & Time (UTC): 9 January 2001 at 1748 hrs

Location: Wycombe Air Park, Buckinghamshire

Type of Flight: Private

Persons on Board: Crew - 1 - Passengers - 1

Injuries: Crew - None - Passengers - None

Nature of Damage: Right main landing gear damaged. Minor airframe damage

Commander's Licence: Private Pilot's Licence with IMC and Night Rating

Commander's Age: 43 years

Commander's Flying Experience: 558 hours (of which 223 were on type)

Last 90 days - 8 hours

Last 28 days - 3 hours

Information Source: Aircraft Accident Report Form submitted by the pilot

The pilot intended to conduct a local flight at night. He had been cleared to take off on Runway 25. This runway had a dry asphalt surface and a published take-off run of 735 metres. The surface wind was 050°/05 kt, the visibility was 8 km and there was no significant weather, the QNH was 1,012 hPa.

Late in the take-off run, after crossing the intersection with Runway 17/35, the pilot noticed a reduction in engine power. He decided to abort the take off, closed the throttle and applied maximum braking. The aircraft ran off the end of the runway surface, skidded on the grass surface and the leg of the right landing gear collapsed. The aircraft came to rest approximately 40 metres beyond the threshold of Runway 07. The pilot and his passenger, who were both wearing lap and diagonal seatbelts, were uninjured and vacated the aircraft. The airfield fire and rescue services arrived promptly and the local fire and rescue services were also alerted.

An engineering inspection, which was completed by a local maintenance organisation, identified a split in the rubber connection hose leading from the turbo charger as the cause of the loss of engine power. The subsequent over run was partly due to the tailwind in the direction of take off.