

AAIB Bulletin No: 6/93

Ref: EW/G93/03/16

Category: 1c

Aircraft Type and Registration: Gardan GY-80 Horizon, G-ASJY

No & Type of Engines: 1 Lycoming O-320-B3B piston engine

Year of Manufacture: 1963

Date & Time (UTC): 24 March 1993 at 1950 hrs

Location: Sandtoft Airfield, Humberside

Type of Flight: Private

Persons on Board: Crew - 1 Passengers - None

Injuries: Crew - None Passengers - N/A

Nature of Damage: Propeller destroyed and engine shock loaded; minor damage to the underside of the airframe

Commander's Licence: Private Pilot's licence with IMC and Night ratings

Commander's Age: 41 years

Commander's Flying Experience: 200 hours (of which 45 were on type)
Last 90 days - 5 hours
Last 28 days - 3 hours

Information Source: Aircraft Accident Report Form submitted by the pilot

The pilot was carrying out local circuit flying on Runway 23 at Sandtoft. After one full stop and four touch-and-go circuits the pilot was making one final touch-and-go before his final landing. He stated that the approach and landing were normal but, at about 60 kt the nose of the aircraft began to sink towards the runway; almost immediately he was aware of the main undercarriage collapsing. The aircraft continued along the runway before stopping and the pilot exited through the normal door.

The landing gear on this type of aircraft is manually operated and involves winding a handle a specific number of rotations. The 'down and locked' indication is provided by a green light on the instrument panel. In this instance the pilot is certain that he saw the green light on the panel. Following recovery, the aircraft was subjected to retraction checks and the landing gear operated normally.