

No: 9/85

Ref: EW/G85/07/15

Aircraft type and registration: Auster J1N G-ARUY (light single engine fixed wing aircraft)

Year of Manufacture: 1961

Date and time (GMT): 15 July 1985 at 1550 hrs

Location: Langar Airfield, Notts

Type of flight: Private (pleasure)

Persons on board: Crew — 1 Passengers — 2

Injuries: Crew — None Passengers — None

Nature of damage: Left hand undercarriage, underside of fuselage, propeller and left aileron

Commander's Licence: Private Pilot's Licence

Commander's Age: 29 years

Commander's total flying experience: 108 hours (of which 29 were on type)

Information Source: Aircraft Accident Report form submitted by pilot.

Having lined his aircraft up on runway 25, the pilot ran the engine at 1,800 rpm in order to clear some rough running which he attributed to having taxied at a low power setting. When the throttle was opened fully at the start of the take-off run the engine misfired once but then ran smoothly. After the tail had lifted and the aircraft had become airborne the engine misfired badly. The pilot landed back on the runway at a point half way along its total length. Braking was impaired by brake fade, especially on the right hand side. The aircraft ran into some concrete blocks which are positioned at the south western end of the runway to prevent vehicular access. The pilot and passengers escaped injury.

Subsequent examination of the engine revealed that the No 4 exhaust valve was sticking in its valve guide. None of the valve guides had been correctly reamed out after their installation in the engine.