

Aircraft type and registration: Grumman AA-1 Yankee G-AYLP

No & Type of engines: 1 Lycoming O-235-C2C piston engine

Year of Manufacture: 1970

Date and time (UTC): 1 May 1987 at 1305 hrs

Location: Bourne Aerodrome, Cambridge

Type of flight: Private (pleasure)

Persons on board: Crew — 1 Passengers — None

Injuries: Crew — 1 (Minor) Passengers — N/A

Nature of damage: Substantial damage to nosewheel, right wing and engine cowling.
Minor damage to the propeller

Commander's Licence: Private Pilot's Licence

Commander's Age: 48 years

Commander's Total Flying Experience: 330 hours (of which 260 were on type)

Information Source: Aircraft Accident Report Form submitted by the pilot

Following a short flight, the pilot was returning to land at Bourne airfield. The weather was worse than he anticipated and in his preoccupation with this fact he did not notice that the windsock indicated a tailwind of about 15 knots on runway 19, his chosen runway. The runway is 566 metres long and, although touchdown was on the numbers, it was necessary to apply full and prolonged braking. When the aircraft had slowed to about 20 miles per hour, the right brake failed and it veered off the runway, to the left, coming to rest straddling a ditch.

At the time of writing, the aircraft had not been assigned to a repair agency, however, the pilot stated that the brake pads on the right wheel were near the limits of wear. The discs were badly worn and corroded to such an extent that the O-ring was exposed causing the slave cylinder to lose fluid.