

Piper PA-34-200, G-EMER

AAIB Bulletin No: 10/99 **Ref:** EW/G99/06/41 **Category:** 1.3

Aircraft Type and Registration: Piper PA-34-200, G-EMER

No & Type of Engines: 2 Lycoming IO-360-C1E6 piston engines

Year of Manufacture: 1973

Date & Time (UTC): 27 June 1999 at 1620 hrs

Location: Old Sarum Aerodrome, Wiltshire

Type of Flight: Private (Training)

Persons on Board: Crew - 2 - Passengers - 1

Injuries: Crew - None - Passengers - None

Nature of Damage: Left engine shock loaded. Left outer wing replaced.

Commander's Licence: Commercial Pilot's Licence with Instrument Rating

Commander's Age: 49 years

Commander's Flying Experience: 1,160 hours (of which 367 were on type)
Last 90 days - 20 hours
Last 28 days - 20 hours

Information Source: Aircraft Accident Report Form submitted by the pilot

The crew had planned to conduct training under asymmetric power in the circuit at Old Sarum. Runway 24 was the runway in use with a right hand circuit. The runway had a grass surface, which was dry, and a published landing distance of 731 metres. The surface wind was 300°/12 kt, the visibility was greater than 10 km and the cloud was scattered at 2,500 feet.

The crew had flown four training sorties together in the previous two weeks and the student's progress had been assessed by the instructor as satisfactory. On the flight in question various asymmetric exercises, including a single engine go around, had been completed satisfactorily and the crew prepared for a single engine landing with the left engine throttled back to simulate zero thrust. The visual approach appeared normal until just prior to the flare when the student pilot reported that the airspeed reduced and the aircraft appeared to sink and drift to the left. The student pilot increased power on the right engine and the aircraft commenced a roll to the left. Rudder was then applied but shortly afterwards the left propeller and left wingtip struck the runway surface. The instructor took control, completed the landing and taxied back to the parking area.