

Viking Dragonfly Mk 3, G-BKPD

AAIB Bulletin No: 10/99 **Ref:** EW/G99/07/24 **Category:** 1.3

Aircraft Type and Registration: Viking Dragonfly Mk 3, G-BKPD

No & Type of Engines: 1 Revmaster 2100D piston engine

Year of Manufacture: 1985

Date & Time (UTC): 17 July 1999 at 1530 hrs

Location: Cambridge Airport

Type of Flight: Private

Persons on Board: Crew - 1 - Passengers - None

Injuries: Crew - None - Passengers - N/A

Nature of Damage: Damage to nose landing gear

Commander's Licence: Private Pilot's Licence

Commander's Age: 45 years

Commander's Flying Experience: 299 hours (of which 10 were on type)
Last 90 days - 5 hours
Last 28 days - None

Information Source: Aircraft Accident Report Form submitted by the pilot

The aircraft had not flown for a protracted period of time. The pilot elected to carry out a run down Runway 23 at full engine power in order to check the operation of the aircraft. The surface wind was from 260° at 12 kt. He checked the satisfactory operation of the flying controls during a short hop over the runway. The aircraft was then settled back onto the ground at a speed of about 55 kt. Immediately upon touchdown, a vibration was felt coming from the front of the aircraft. The pilot shutdown the engine as he considered that it was the most likely cause, but the vibration became worse as the aircraft slowed down. At about 25 kt, the nose landing gear collapsed. The propeller had stopped rotating by this time and was undamaged.

The pilot noted that leakage of engine oil had caused contamination on the nosewheel pivot, thus reducing the friction and causing nosewheel shimmy to occur.