

No: 5/92

Ref: EW/G92/03/08

Category: 1c

**Aircraft Type and Registration:** Replica Mustang, G-BDWM

**No & Type of Engines:** 1 Lycoming IO-360-A1AD piston engine

**Year of Manufacture:** 1991

**Date & Time (UTC):** 15 March 1992 at 1600 hrs

**Location:** Netherthorpe Airfield, Yorkshire

**Type of Flight:** Private

**Persons on Board:** Crew - 1 Passengers - None

**Injuries:** Crew - None Passengers - N/A

**Nature of Damage:** Propeller and engine cowls damaged

**Commander's Licence:** Basic Commercial Pilot's Licence with Night and Instructor ratings

**Commander's Age:** 31 years

**Commander's Flying Experience:** 2,987 hours (of which 10 were on type)

**Information Source:** Aircraft Accident Report Form submitted by the pilot and AAIB telephone enquiries.

After take-off a loss of engine power was experienced and an emergency landing was carried out in a small field that was to the right of the runway extended centreline.

During the landing roll the aircraft encountered soft ground which caused it to 'nose over'.

The aircraft had been successfully flown earlier in the day and had been refuelled prior to the accident flight from the airfield refuelling point. Other aircraft had been refuelled from the same facility with no subsequent problems.

An investigation carried out by the operator found that the loss of engine power was caused by electrical tracking occurring within the single drive duplex magneto. This tracking had been induced by oil contamination within the magneto. It was felt by the operator that the oil had originated from a set of felt pads within the magneto that had, at some time, been over lubricated.