

## **(2) Rolls Royce (De Havilland) Gipsy Engines**

UK National Airworthiness Directives previously published in CAP 476 – Mandatory Aircraft Modifications and Inspections Summary

### **Gipsy Major I (All Series) and Major 10 Mark I**

**CAA AD No:** 1768 PRE 80

**Associated Material:** 424, 2495, 2690 and TNS.G15

**Description:** Modified crankshaft. Crankshaft bearing locating sleeve. Sulphinuz treatment of crankshaft.

#### **Applicability – Compliance – Requirement**

Compliance required in accordance with Technical News Sheet G No. 8 (Major I) Technical News Sheet GM10 No. 11 (Major 10 Mark 1).

### **Gipsy Queen 30 Series**

**CAA AD No:** 1769 PRE 80

**Associated Material:** G2654

**Description:** Rotax starter type CO257.

#### **Applicability – Compliance – Requirement**

Applicable to Queen 30 Mark 2. Should have been embodied by 1 January 1962. MNSG2654 refers.

**CAA AD No:** 1770 PRE 80

**Associated Material:** G2925

**Description:** Shot peening of crankshaft where Mod. 2036(R267) or 2162 (R364) already embodied.

#### **Applicability – Compliance – Requirement**

Compliance required in accordance with Technical News Sheet GQ30 No. 70.

### **Gipsy Queen 70 Series**

**CAA AD No:** 1771 PRE 80

**Associated Material:** G1920

**Description:** Replacement of Klingerit joint washers by those of copper sheet.

#### **Applicability – Compliance – Requirement**

Applicable to Queen 70, 70–2, 70–3, 70–4. Compliance required before flight. MNSG1920 refers.

## Gipsy Engine Inspections

**CAA AD No:** 1772 PRE 80

**Associated Material:** 1

**Description:** Crankshaft. Inspection of front end for cracks.

**Applicability – Compliance – Requirement**

Applicable to Major 1 Series and Major 10 Mark 1. Technical News Sheet G No. 8 and GM10 No. 11 refers.

**CAA AD No:** 1773 PRE 80

**Associated Material:** 2

**Description:** Crankshaft. Inspection of front end for cracks until Mod. 2925 embodied.

**Applicability – Compliance – Requirement**

Applicable to Queen 30 Series embodying Mod. 2036 (R267) or 2162 (R364). Technical News Sheet GQ30 No. 70 refers.

**CAA AD No:** 1774 PRE 80

**Associated Material:** 3

**Description:** Carburettor power jet Part No. CH47979 and slow running jet plug Part No. CH69704. Inspection for distortion until Mod. 2601 embodied.

**Applicability – Compliance – Requirement**

Applicable to Queen 30 Series. Technical News Sheet GQ30 No. 63 refers.

**CAA AD No:** 1775 PRE 80

**Associated Material:** 4

**Description:** Propeller shaft – Cracking.

**Applicability – Compliance – Requirement**

Applicable to Queen 70 Series. Technical News Sheet GQ70 No. 105 refers.

**CAA AD No:** 1776 PRE 80

**Associated Material:** 5

**Description:** Pressure testing of induction manifold heater box.

**Applicability – Compliance – Requirement**

Applicable to early type Gipsy engines TNS G No. 77 and Gipsy major engines TNS GM 10 N. 47. An inspection procedure has been devised and published by the engine manufacturer. This requires a pressure test to be made at the following intervals:

- 1 Within 60 days of receipt of the inspection procedure, then,
- 2 Annually, or
- 3 At any time rough running from an otherwise unexplained cause is experienced.

### **Gipsy Engine Inspections continued**

**CAA AD No:** 009-11-83

**Associated Material:** Gipsy Mod. 3014 Issue 2 and LTO 579

**Description:** *Fuel Control Unit* – Introduction of new Boost Capsule.

**Applicability – Compliance – Requirement**

Applicable to Gipsy Queen Series 70 engines. Compliance required as detailed in Hants and Sussex Modification News Sheet 3014 Issue 2.

**CAA AD No:** 007-06-89

**Associated Material:** Gipsy Mod. G4030

**Description:** *Fuel Pipe* – Fire resisting.

**Applicability – Compliance – Requirement**

Applicable to Gipsy Queen 2, 3, 3A Six I, Six IA and Six II engines. Compliance required as detailed in H&S Aviation Modification News sheet G4030 not later than 31 December 1989.