

BUREAU VERITAS

AIRWORTHINESS DIRECTIVE
RELEASED BY THE DIRECTION GENERAL OF
CIVIL AVIATION

The inspections or modifications described below are mandatory. Failure to comply with Airworthiness Directives entails suspension of the Certificate of Airworthiness (see decree regarding airworthiness requirements for civil aircraft).

AEROSPATIALE SA 330 "PUMA" HELICOPTERS
(ALL TYPES)

MAIN GEAR BOXES UNMODIFIED TO AMS 07.51.103 - INSPECTION OF INPUT REDUCTION GEARS

NOTE : The present directive is not applicable to main gear boxes P/N 330.A.32.3000.03 (incorporating modification AMS 07.51.103).

Pending the conclusions of the investigation now under way as to the causes of fracture in service of reduction gears, the following measure has been rendered mandatory on a temporary basis : inspection of all MGB units whose operating time since new, overhauled or reconditioned is comprised between 50 and 500 hours, in accordance with the instructions of AEROSPATIALE Service Bulletin PUMA No 01.23.

These units are to be inspected in the following conditions :

1/ - MGB units not followed up by spectrometric analysis of lubricating oils

Compliance with the instructions given in paragraph 1 C (1) of AEROSPATIALE Service Bulletin PUMA No 01.23 :

- a) - Within 10 hours following the date of implementation of the present directive : measurements of acceleration level on MGB front reduction gears, in accordance with the instructions given in paragraph 2 of A/S Service Bulletin PUMA No 01.21.
- b) - The acceleration measurements are to be repeated every subsequent 50 hours of flight, in accordance with the instructions given in paragraph 2 of AEROSPATIALE Service Bulletin PUMA No 01.21 or compliance with the MGB follow-up system by means of oil spectrometric analysis (OSA). In the latter case, the first oil sample taking should be performed concurrently with an acceleration measurement.

IMPORTANT NOTE :

The inspection operation in accordance with SB PUMA 01.21 can be carried out only by the manufacturer (AEROSPATIALE) who should notify the results of the measurements taken.

2/ - MGB units followed up by spectrometric analysis of lubricating oils

- Compliance with the instructions called for in paragraph 1C (2) of AEROSPATIALE Service Bulletin PUMA No. 01.23 :

- . Routine sample taking to be made every 25 hours or occasional sample takings to be made at closer intervals at the request of the analysis laboratory. The conditions of the follow-up by means of the "SOA" system are those set forth in the PUMA Standard Practice Manual, chapter 08.30.

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Date : 24.5.1978

Material : AEROSPATIALE HELICOPTERS
SA 330 PUMA (ALL TYPES)

Reference : 78-86-19 (B)

- . On the other hand and irrespective of the frequency of the sample takings under way on a given material, the flights will be mandatorily discontinued if the satisfactory results of a sample taking have not been communicated by the analysis laboratory beyond an operating time equal to twice the frequency of the sample takings under way.

IMPORTANT NOTES

- 1 - Satisfactory compliance with SB 01.23 is to be entered in the MGB equipment log card and aircraft log book.
- 2 - The present directive is rendered invalid by the incorporation of modification AMS 07.51.103.

Ref. : AEROSPATIALE "PUMA" Service Bulletin No 01.23

DATE OF IMPLEMENTATION : 29TH MAY 1978

Translation of "Consigne de Navigabilité
Réf. 78-86-19"B
In case of any difficulty, reference
should be made to the French original text.