

AIRWORTHINESS DIRECTIVE

RELEASED BY

"DIRECTION GENERALE DE L'AVIATION CIVILE"

Inspections and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of "Consigne de Navigabilité"
Réf. : 81-40-37 (B)
In case of any difficulty, reference
should be made to French original issue

AEROSPATIALE HELICOPTERS SA 330 J PUMA

The present directive concerns the aircraft fitted with composite main rotor blades P/N :

- 330 A 11 0020)
- 330 A 11 0022 (all dash numbers
- 330 A 11 0030)

and having a serial number comprised between 750 (inclusive) and 1500 (inclusive).

I - TEMPORARY LIMITATION OF ROTOR RPM

Following an incident which occurred during test and to prevent a possible static damage to certain composite blades, it was decided to render the following temporary directive mandatory :

- . Limitation of maximum stabilized rotor speed to 280 RPM instead of 310 RPM

NOTE : This limitation does not exclude the possibility of maximum transient speed of 310 RPM when resorting to emergency procedures.

This measure forms the subject of a temporary revision dated October 1980 to the approved flight manual applicable to SA 330 J helicopters. This revision is circulated concurrently with PUMA SB No 01-31 in which the temporary markings to be made at pilot's station are indicated :

- Red line on pilot's/co-pilot's NR indicators at 280 RPM
- Plate indicating : N rotor limitation
 - 280 RPM : stabilized speed
 - 310 RPM : maximum contingency power in transient conditions.

II - LIFTING THE OPERATING LIMITATION OF EACH BLADE

The lifting the operating limitation indicated at parag. I above, depends on satisfactory compliance with AEROSPATIALE technical directive No IT 13.309 covering a test aimed at warranting the strength of the ledge on the training edge in all the flight envelope.

Date : February 11, 1981

Material : AEROSPATIALE HELICOPTERS
SA 330 J PUMA

Reference ; 81-40-37 (B)

This test shall be carried out only by technical personnel of Société Nationale Industrielle AEROSPATIALE having the necessary qualification.

After confirmation of the satisfactory results of the test by the manufacturer's laboratory a duplicate of the equipment log card for each blade will be sent by AEROSPATIALE product support department to the operators. This card will be identified with a serial number increased by 20.000 (ex. : No 837 becomes 20.837) thus identifying the blade in a series of numbers not affected by rotor RPM limitation. In addition, the operator will have to correct the marking of the blade serial number.

III - LIFTING THE OPERATING LIMITATION OF THE HELICOPTER

The helicopters equipped with four main blades with serial number lower than 750 or higher than 1500 are no longer concerned with the rotor limitation at 280 RPM. For those helicopters, cancel the temporary revision of october 1980 in the flight manual together with the temporary markings of limitations (red line on tachometer indicator and plate).

Reference : AEROSPATIALE Service Bulletin SA 330 No 01-31 revision 1 and later approved revisions together with temporary revision of october 1980 to the SA 330 J flight manual.

Note : The present directive supersedes directive 80-196-35 (B) dated 10th october 1980. In consequence, blades with S/N lower than 750 or higher than 1500 are no longer concerned by the temporary limitation of the rotor RPM.

DATE OF EFFECTIVITY : 18th february 1981