

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection 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' ref. : 1997-323-079(A) R2
In case of any difficulty, reference should be made to the French original issue.

EUROCOPTER

SA 330 helicopters

Tail Gear Box (TGB) (ATA 05, 65)

1. APPLICABILITY:

This Airworthiness Directive applies to SA 330 helicopters, versions: F, G and J equipped with TGB P/Nos.:

- 330A33.0000, all dash numbers,
- 330A33.0011, all dash numbers,
- 330A33.9109, all dash numbers.

2. REASONS:

This Airworthiness Directive is prompted following an accident to an SA 330 helicopter further to the loss of the tail rotor drive due to worn splines on the bevel wheel and on the tail rotor drive shaft.

Revision 1 of this Airworthiness Directive took into account the replacement of Service Telex No. 05.86 with Service Bulletin No. 05.86.

Revision 2 of this Airworthiness Directive introduces technical details and new angular play values for the TGB.

3. MANDATORY ACTIONS AND COMPLIANCE TIME:

3.1. The check of the angular play of the TGB in accordance with the procedures described in paragraph 2.B. of referenced EUROCOPTER SA 330 Alert Service Bulletin (ASB) No. 05.86 Revision 1 is rendered mandatory since the effective date of the original issue of this Airworthiness Directive.

3.1.1. Within 25 flying hours for tail gear boxes that have been in service for more than 495 hours since new (tail gear boxes that have not yet been overhauled), or since last overhaul.

3.1.2. At the latest at 520 flying hours for tail gear boxes that have been in service for less than 495 hours since new or since last overhaul.

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3.1.3. Then at intervals of no more than 520 flying hours.

3.1.4. For spares, when a TGB that has been in service for more than 495 hours since new or since last overhaul is taken from the stock and installed on a helicopter.

3.2. Interpretation of the results

3.2.1. If the play measurement is equal to or less than 0.30 mm:

- leave things as they are and put the helicopter back into flight configuration.

3.2.2. If the play measurement is greater than 0.30 mm and less than 0.65 mm:

- leave things as they are and put the helicopter back into flight configuration,
- every 100 flying hours, comply with the instructions given in paragraph 2.B.2 or paragraph 2.B.3 of the referenced Alert Service Bulletin.

3.2.3 If the play measurement is equal to or greater than 0.65 mm:

- remove and replace the TGB as per MDE work card No. 65.22.401.

REF.: EUROCOPTER SA 330 Alert Service Bulletin No. 05.86 R1.

This Revision 2 replaces Airworthiness Directive No. 97-323-079(A) R1 dated November 18, 1998.

EFFECTIVE DATES :

Original AD : On receipt of the telegraphic AD
from **OCTOBER 22, 1997**
Revision 1 : **NOVEMBER 28, 1998**
Revision 2 : **MARCH 03, 2001**