
Sektion 2. Utlandstillverkad flygmateriel

TITEL: Kontroll av huvudrotorväxelns "Pinion Splines"

GÄLLER: Modellerna SA 3180, SA318 B och SA 318 C med installerad huvudrotorväxel 319A62-00-000-1 t.o.m. -4 med S/N angivna i bifogad kopia av DGAC AD T 2001-366-059(A)

ÅTGÄRD: Utför åtgärder angivna i DGAC AD T 2001-366-059(A)

TID FÖR ÅTGÄRD: Inom tider angivna i DGAC AD T 2001-366-059(A)

UNDERLAG: Eurocopter Alert Service Bulletin (ASB) SA313/318 Alouette II och SA 316/319 Alouette III No. 05.99

REFERENS: DGAC AD T 2001-366-059(A)

BESLUTSDATUM: 17 augusti 2001

LFS 2001:97

Åtgärder enligt LVD utgör nödvändig förutsättning för ifrågavarande flygmateriels luftvärdighet. Referens BCL M 1.11.
Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senast gällande revision/utgåva. LVD utges i luftfartsverkets författningssamlingar LFS.

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GSAC: 0146904840

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TELEGRAPHIC AIRWORTHINESS DIRECTIVE RELEASED BY DIRECTION GENERALE DE L'AVIATION CIVILE (FRANCE).

THIS TEXT IS NOT SENT TO FOREIGN OPERATORS OF AIRCRAFT NON REGISTERED IN FRANCE. IT IS UP TO THE NATIONAL AUTHORITIES TO FORWARD IT TO THEM ON RECEIPT.

No. T2001-366-059(A) - EUROCOPTER	SA 313/318 Helicopters
No. T2001-367-062(A) - EUROCOPTER	SA 316/319 Helicopters
No. T2001-368-045(A) - EUROCOPTER	SA 315 Helicopters

SUBJECT: Main Gearbox – Pinion Splines (ATA 05, 40)

1. EFFECTIVITY:

Helicopter models:

- SA 3180, SA 318 B and SA 318 C	[AD: T2001-xxx-059(A)]
- SE 3160, SA 316 B, SA 316 C and SA 319 B	[AD: T2001-yyy-062(A)]
- SA 315 B	[AD: T2001-zzz-045(A)]

equipped with MGBs, P/Nos.: 319A62-00-000-1 to -4 having the following serial numbers:

10007 / 3-10204 / 3-10206 / 3-10272 / 3-10335 / 3-10377 / 3-10382 / 3-10424 / 3-10434 /
 3-10437 / 3-10441 / 3-10490 / 3-10574 / 3-10603 / 3-10640 / 3-10663 / 3-10676 / 3-10709 /
 3-10710 / 3-10712 / 3-10731 / 3-10751 / 3-10753 / 3-10766 / 3-10804 / 3-10814 / 3-10853 /
 3-10902 / 3-10927 / 3-10943 / 3-10950 / 3-10951 / 3-10988 / 3-10989 / 3-110 / 3-11008 /
 3-11026 / 3-11104 / 3-11124 / 3-11190 / 3-11210 / 3-11232 / 3-11238 / 3-11301 / 3-11376 /
 3-11427 / 3-11511 / 3-11537 / 3-11565 / 3-11571 / 3-11583 / 3-11607 / 3-11608 / 3-11662 /
 3-11691 / 3-11694 / 3-11698 / 3-11735 / 3-11775 / 3-2115 / 3-2174 / 3-2217 / 3-2218 /
 3-2263 / 3-2267 / 3-2279 / 3-2286 / 3-2300 / 3-2303 / 3-2305 / 3-2307 / 3-2322 / 3-2334 /
 3-2345 / 3-2346 / 3-2347 / 3-2348 / 3-2352 / 3-2353 / 3-2354 / 3-2355 / 3-2372 / 3-2373 /
 3-2374 / 3-2391 / 3-2399 / 3-2400 / 3-2410 / 3-2411 / 3-2413 / 3-2414 / 3-2415 / 3-2424 /
 3-2442 / 3-2445 / 3-2470 / 3-2472 / 3-2481 / 3-2484 / 3-2495 / 3-2500 / 3-2503 / 3-2515 /
 3-2545 / 3-2549 / 3-2555 / 3-2573 / 3-2574 / 3-2582 / 3-2584 / 3-2589 / 3-2591 / 3-2594 /
 3-2596 / 3-2597 / 3-2616 / 3-2688 / 3-2736 / 3-2741 / 3-2751 / 3-2764 / 3-2769 / 3-2782 /
 3-2783 / 3-2818 / 3-2820 / 3-2850 / 3-2852 / 3-2871 / 3-2891 / 3-2896 / 3-2917 / 3-2927 /
 3-2934 / 3-2943 / 3-2954 / 3-2955 / 3-2960 / 3-3001 / 3-3090 / 3-3094 / 3-3110 / 3-3131 /
 3-3137 / 3-3144 / 3-3166 / 3-3179 / 3-3195 / 3-3217 / 3-3218 / 3-3221 / 3-3232 / 3-3251 /
 3-3265 / 3-3279 / 3-3283 / 3-3286 / 3-3299 / 3-3317 / 3-3318 / 3-3319 / 3-3329 / 3-3355 /
 3-3358 / 3-3372 / 3-3375 / 3-3633 / 3-431 / 3-536.

M-2013 / M-2061 / M-2072 / M-2079 / M-2139 / M-2144 / M-2145.

NT-3378 / NT-3380 / NT-3404 / NT-3423 / NT-3429 / NT-3443 / NT-3447 / NT-3449 / NT-3467 /
 NT-3474 / NT-3490 / NT-3502 / NT-3509 / NT-3539 / NT-3552 / NT-3560 / NT-3586 / NT-3590 /
 NT-3620 / NT-3653 / NT-3671 / NT-3676 / NT-3722 / NT-3724 / NT-3729.

NOTE 1: All the MGBs referenced and listed above have undergone overhaul or repair at the company PILATUS (Overhaul and Repair Shop in Switzerland).

NOTE 2: The MGBs referenced and listed above that have been overhauled in another agreed workshop following the work carried out by the company PILATUS, (refer to the equipment log card (FME)), are only affected by compliance with paragraph 2.C. "Identification" in the referenced EUROCOPTER ALERT SERVICE BULLETINS (ASB).

NOTE 3: The MGBs referenced and listed above that have undergone overhaul at the company PILATUS after June 30, 2001, are only affected by compliance with paragraph 2.C. "Identification" in the referenced EUROCOPTER Alert Service Bulletins (ASB).

NOTE 4: The MGBs having a part number that ends with the letter -V are not affected by this Airworthiness Directive, even if their serial number is listed above.

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2. REASON:

This Airworthiness Directive is issued following an accident involving a SA 315 B helicopter. The accident has been caused due to the loss of the tail rotor power transmission.

The initial cause is the use of an unauthorized product (Loctite sealant) in the drive pinion splined assembly at the time of a revision or repair carried out by the company PILATUS.

3. MANDATORY ACTIONS AND COMPLIANCE TIME:

- 3.1 At the latest within 10 flight hours from the effective date of this Airworthiness Directive, check the magnetic drain plug and the MGB oil filter for particles and reddish deposit and check the angular displacement on the MGB output flange and drain the MGB in compliance with the instructions described in paragraph 2.B.1 in the referenced EUROCOPTER Alert Service Bulletins (ASB),

then:

At the latest within the following 50 flight hours, carry out a second check in compliance with the instructions described in paragraph 2.B.2 in the referenced Alert Service Bulletins (ASB).

- 3.2 Until the next overhaul of the MGB or repair of the zone concerned in the MGB:

3.2.1 At intervals not exceeding 10 flight hours, check the magnetic drain plug and the MGB oil filter for particles and reddish deposit in compliance with the instructions described in paragraph 2.B.1(a) in the referenced Alert Service Bulletins (ASB).

3.2.2 Each time the MGB is drained, comply with the instructions described in paragraph 2.B.1 in the referenced Alert Service Bulletins (ASB),

then:

Within the following 50 flight hours, comply with the instructions described in paragraph 2.B.2 in the referenced Alert Service Bulletins (ASB).

- 3.3 Before installing a replacement MGB having a serial number listed in paragraph 1 of this AD on aircraft, comply with the instructions described in paragraphs 3.1 and 3.2 above.

4. **REFERENCES:** EUROCOPTER Alert Service Bulletins (ASB)
SA313/318 Alouette II and SA 316/319 Alouette III No. 05.99
SA 315 No. 05.40

5. **EFFECTIVE DATE:** On receipt.