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PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

Číslo: CAA-AD-057/2003

Datum vydání: 4. července 2003

**Bell Helicopter Textron Canada
(BHTC)**

427

VRTULNÍK – REDUKTOR VYROVNÁVACÍHO ROTORU – KONTROLA

Týká se: vrtulníků Bell 427 vyrobených firmou Bell Helicopter Textron Canada (BHTC) výrobních čísel (S/N) 56001 až 56031, 58001 a 58002, vybavených skříňí reduktoru vyrovnávacího rotoru katalogového čísla (P/N) 406-040-406-109, včetně reduktorů tohoto katalogového čísla užívaných jako náhradní díly.

Důvod vydání: zajistit dostatečnou dodávku oleje do dvojitého ložiska P/N 406-040-432-103 reduktoru vyrovnávacího rotoru. Nedostatečná dodávka oleje může způsobit nadměrné opotřebení a následné poškození ložiska.

Datum účinnosti: Ihned po obdržení.

Provést v termínech:

Jak je popsáno v TC AD CF-2003-11 od data účinnosti tohoto PZZ.

Postup provedení prací:

Dle TC AD CF-2003-11 (příloha tohoto PZZ).

Poznámky:

- Provedení tohoto PZZ musí být zapsáno do letadlové knihy.
- Případné dotazy týkající se tohoto PZZ adresujte na ÚCL sekce technická – Ing. B. Fiala.
- Pokud to vyžaduje povaha tohoto PZZ, musí být zapracován do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla.
- Tento PZZ byl vypracován na základě TC AD CF-2003-11.

Ing. Pavel MATOUŠEK
ředitel

Transport Canada No. CF-2003-11

Issue Date: 28 April 2003

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to Canadian Aviation Regulation (CAR) 593. Pursuant to CAR 605.84 and the further details of CAR Standard 625, Appendix H, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with CAR 605.84 and the above- referenced Standard.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

Number:

CF-2003-11

Subject:

Bell 427 - Tail Rotor Gearbox Case Oil Feed Gallery

Effective:

6 June 2003

Applicability:

Bell Helicopter Textron Canada (BHTC) Model 427 Helicopters serial number (S/N) 56001 through 56031, 58001 and 58002, equipped with tail rotor gearbox case, part number (P/N) 406-040-406-109, including these part numbered tail rotor gearbox cases held as spare stock.

Compliance:

As indicated, unless already accomplished.

Background:

Transport Canada has been informed that a number of tail rotor gearboxes are lacking the required oil feed gallery. This situation reduces the oil supply to duplex bearing P/N 406-040-432-103, which could lead to bearing failure. It has been determined that the splash lubrication of the duplex bearing without the oil feed gallery is sufficient to prevent abnormal wear up to the 1800 hours overhaul period.

BHTC Alert Service Bulletin (ASB) 427-03-09, dated 22 January 2003, provides instruction to create an oil feed gallery on affected units.

Corrective Actions:

Part I

- A. A. At the next gearbox disassembly or within 1800 hours air time after the effective date of this directive, whichever occurs first, identify the tail rotor gearbox case installed on the helicopter and, if applicable, check for the presence of the oil feed gallery as per instructions provided in Part I of BHTC ASB 427-03-09, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada. If the oil feed gallery is present, re-identify the case assembly as per instructions in BHTC ASB 427-03-09. If oil feed gallery is not present, proceed to Part II of this directive.
- B. B. For the affected tail rotor gearbox cases consigned in spare stock, accomplish Part I and II, if applicable, of this directive prior to the installation on the helicopter.

Part II

Create the oil feed gallery as per instruction provided in Part II of BHTC ASB 427-03-09 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For Minister of Transport
Robin Lau
Acting Chief, Continuing Airworthiness

Contact:

Mr. Bogdan Gajewski, Continuing Airworthiness, Ottawa, telephone (613) 952-4450, facsimile (613) 996-9178, or e-mail gajewsb@tc.gc.ca or any Transport Canada Centre.

Pursuant to CAR 202.51 the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address. To request a change of address, contact the Civil Aviation Communications Centre (AARC) at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or <http://www.tc.gc.ca/civilaviation/certification/menu.htm>.