
Sektion 2. Utlandstillverkad flygmateriel

TITEL: Kontroll av "Tailboom Tailrotor Gearbox Support Casting"

GÄLLER: Bell Helicopter Textron Canada Modell 407 med tillverkningsnummer enligt bifogad kopia av Transport Canada AD CF-2002-32R1.

ÅTGÄRD: Utför åtgärder enligt Transport Canada AD CF-2002-32R1.

TID FÖR ÅTGÄRD: Tid och intervall enligt Transport Canada AD CF-2002-32R1

UNDERLAG: Bell Helicopter Textron Canada Alert Service Bulletin 407-02-53 daterad 05 juni, 2002 eller senare utgåva.

REFERENS: Transport Canada AD CF-2002-32R1

BESLUTSDATUM: 20 augusti 2002

LFS 2002:111

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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Transport Canada Transports Canada

TP 7245E

No.	1/2
CF-2002-32R1	
Issue Date	
31 July 2002	

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-2002-32R1

Subject: Bell 407 – Tailboom Tailrotor Gearbox Support Casting

Revision: Supersedes Airworthiness Directive CF-2002-32 issued 3 June 2002.

Effective: Upon receipt.

Applicability: Bell Helicopter Textron Canada Ltd (BHTCL), Model 407 Helicopters serial numbers 53000 through 53475 equipped with tailboom assemblies P/N 407-030-801-105, -107 or 407-530-014-103 identified as serial numbers 53390 through 53440, 53449, BP921, BP1014; and subcomponent tail rotor gearbox support casting part number 406-030-121-105 identified as serial number 980867/01-2, -3, -4, -5, -8, -9, -10.

Compliance: As indicated.

Background: Transport Canada has been advised of an occurrence of cracked tail rotor gearbox support casting that is part of the tailboom assembly. The crack originated from a weld repair made during fabrication of the part. BHTCL has identified other support castings that have the same repair and potential for cracking. This Airworthiness Directive mandates the requirement to locate the affected support castings and introduce repeat 25-hour visual inspections of the affected parts until they are removed from service.

This revision corrects the issue date of the applicable Alert Service Bulletin.

Corrective Actions:

Part 1. Identification of Affected Tailboom Assemblies

Within the next 10 hours air time or 7 days, whichever occurs first, determine if the affected part is installed on the applicable aircraft by conducting Part I of Alert Service Bulletin 407-02-53 dated 05 June 2002, or revisions approved by the Chief, Continuing Airworthiness.

Part 2. Visual Inspection and Replacement

If an affected casting is identified by Part 1 then,

- a) Conduct an inspection of the casting for cracks in accordance with Part II of Alert Service Bulletin 407-02-53 dated 05 June 2002, or revisions approved by the Chief, Continuing Airworthiness. Repeat this inspection every 25 hours air time; and,
- b) No later than 30 September 2002, remove the tailboom from service until the affected tail rotor gearbox support casting is replaced.

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If a crack is found, replace the tailboom before the next flight. Report finding to Transport Canada, Continuing Airworthiness Division (AARDG) at facsimile (613) 996-9178 and to Bell Helicopter Textron – Product Support Engineering at facsimile (450) 433-0272.

Authorization: For Minister of Transport

for / 
B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Bill Taylor, Continuing Airworthiness, Ottawa, telephone (613) 952-4366, facsimile (613) 996-9178 or e-mail: taylorw@tc.gc.ca or any Transport Canada Centre.