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Číslo: CAA-AD-T-083/2003

Datum vydání: 10. října 2003

ATR
ATR 42

LETOUN - HLAVNÍ PODVOZEK - "SWINGING LEVER" (ATA 32) - KONTROLA/VÝMĚNA

Týká se: letadel ATR 42-200/-300/-320, s hlavním podvozkem vybaveným "swinging levers" katalogového čísla PN D56771, mající výrobní čísla (SN) mezi 115 až 151 včetně.

Datum účinnosti: ihned po obdržení

Provést v termínech:

Jak je popsáno v DGAC AD 2003-376(B), od data účinnosti tohoto PZZ.

Postup provedení prací:

Dle DGAC AD 2003-376(B) (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. Stibůrek.
- 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 DGAC AD 2003-376(B).

Ing. Pavel MATOUŠEK
ředitel

DGAC AD No.: 2003-376(B)

ATR

ATR 42 aircraft

Main Landing Gear - Swinging lever (ATA 32)

1. APPLICABILITY:

ATR 42-200/-300/-320 aircraft models, equipped with main landing gears (MLG) fitted with swinging levers PN D56771 whose serial numbers (SN) are between 115 to 151 inclusive.

2. REASONS:

The issuance of this Airworthiness Directive (AD) is prompted by a recent event, during which, while the aircraft ATR 42 was lined up for take off, the left MLG swinging lever collapsed at engine power application.

The investigation evidenced a fatigue failure of the swinging lever which was most probably promoted by a pre-existing material defect and identified as an abnormal Silicium concentration in the crack initiation area. Further investigation lead to suspect similar defect on the swinging levers manufactured with the same cast batch.

The actions rendered mandatory by the present AD are intended to prevent a fatigue failure of the MLG swinging levers, included in the suspected batch, which could result in reduced structural integrity and possible collapse of the MLG during ground operating phases.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

The following measures are rendered mandatory from the effective date of this AD:

3.1. At the first opportunity and no later than October 31, 2003:

For swinging levers PN D56771 fitted on MLG, check if SN are between 115 to 151 inclusive and report findings to the supplier MESSIER-DOWTY to manage the retrofit.

3.2. At the latest on December 31, 2003:

3.2.1. Remove the involved swinging levers and replace them by airworthy ones in accordance with ATR Joint Instructions Card (JIC) 32-11-00 RAI 10030.

3.2.2. Return to MESSIER-DOWTY the removed swinging levers for discard.

REF.: ATR JIC 32-11-00 RAI 10030.

EFFECTIVE DATE: OCTOBER 11, 2003