



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
Airworthiness Division  
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## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-034/2003**

Date of issue: March 24, 2003

**TURBOMECA**

Arrius 2B1/2B1A/2B1A\_1/2K1

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### ENGINE – OEI 2.5 MINUTES RATING LIMITATION (ATA 72) – CHANGE

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**Applicability:** ARRIUS 2B1/2B1A/2B1A\_1/2K1 turboshaft engines.

**Effective date:** May 15, 2003

**Compliance:** Required as indicated in DGAC AD 2003-098(A).

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*Remarks: The compliance of this AD must be recorded in Engine Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel: 420 233320922, fax: 420 220562270.*

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director

## **DGAC AD No.: 2003-098(A)**

### **TURBOMECA**

#### **ARRIUS 2B1/2B1A/2B1A\_1/2K1 turboshaft engines**

OEI 2.5 minutes rating limitation (ATA 72)

#### **1. APPLICABILITY:**

ARRIUS 2B1/2B1A/2B1A\_1/2K1 turboshaft engines.

#### **2. REASONS:**

During an accelerated ageing test campaign carried out on ARRIUS 2B1A at an engine test bench, a damage of the core engine turbine disc led to a breakdown of a blade. This blade was contained in the engine casing. It was established that temperature and creeping conditions during this test were above normal operating conditions. Nevertheless, a potential hazard remains when using the highest power rating.

To ensure a safety margin, it has been decided to limit use of the OEI 2.5 minutes rating.

#### **3. MANDATORY ACTION AND COMPLIANCE:**

For ARRIUS 2B1/2B1A/2B1A\_1/2K1 turboshaft engines, operating of the OEI 2.5 minutes rating is limited to a 5 minutes maximum cumulative period before removal of the engine for technical checking of module 2.

The following action is rendered mandatory from effective date of this AD.

#### **Ref:**

- Service Letter No. 2174/02/ARRIUS 2B1/19 for 2B1, 2B1A and 2B1A\_1 types.
- Service Letter No. 2175/02/ARRIUS 2K1/3 for 2K1 type.

**EFFECTIVE DATE : Upon receipt from MARCH 05. 2003**