

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of 'Consigne de Navigabilité' ref. : 2003-098(A)
In case of any difficulty, reference should be made to the French original issue.

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

n/BB

March 05, 2003

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