 Direction générale de l'aviation civile France GSAC publication	AIRWORTHINESS DIRECTIVE No F-2004-088 R1		Distribution: A	Issue date: August 04, 2004	Page : 1/2
	This Airworthiness Directive is published by the DGAC on behalf of EASA, Airworthiness Authority of the State of Design for the affected product, part or appliance.			<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>	
<p style="text-align: center;">No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive, unless otherwise agreed with the Authority of the State of Registry.</p>					
Corresponding foreign Airworthiness Directive(s): Not applicable			Airworthiness Directive(s) replaced: F-2004-088 original issue		
Person in charge of airworthiness: TURBOMECA			Type(s): ARRIEL 1 turboshaft engines		
Type certificate(s) No. M5 TCDS No M5					
ATA chapter: 72		Subject: Engine - 2nd stage nozzle guide vanes inspection (NGV2)			

1. EFFECTIVITY:

This Airworthiness Directive (AD) applies to TURBOMECA ARRIEL 1B, 1D and 1D1 models turboshaft engines, modified TU 202, except to those having 2nd stage nozzle guide vanes of which serial numbers or specific marks are identified in Service Bulletin No. 292 72 0231 Revision 5.

2. REASONS:

To detect and prevent a possible perforation of the NGV2 vanes and the formation of an aerodynamic wake upstream of the 2nd stage turbine. Such a wake may lead to the rupture of a 2nd stage turbine blade followed by an uncommanded engine in flight shut-down.

TURBOMECA company has notified, in Service Bulletin No. 292 72 0231, that it considers there is a hazardous situation which is potentially catastrophic.


Revision 1 of this AD aims at clarifying interpretations of the original edition and at limiting its effectivity to ARRIEL 1 models installed on single-engine helicopters.

3. MANDATORY ACTIONS AND COMPLIANCE TIME:

Unless already done and at the latest on December 31, 2006, following actions are made mandatory from the effective date of Revision 1 this AD in accordance with Service Bulletin No. 292 72 0231, Revision 5:

- for engines in service or in service station, check the 2nd stage nozzle guide, if it is accessible, during a deep maintenance operation;
- for engines in repair center, check the 2nd stage nozzle guide whatever the reason for the return of the engine is.

Every inspection carried out, in accordance with a previous revision of the Service Bulletin No. 292 72 0231, before the effective date of this AD, exempts from the application of this AD.

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4. REFERENCE PUBLICATION:

Service Bulletin No. 292 72 0231 Revision 5.

5. EFFECTIVE DATE:

Original issue: Upon receipt from June 23, 2004

Revision 1: Upon receipt from August 04, 2004.

6. REMARK:

For questions concerning the technical contents of this AD's requirements, contact:

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7. APPROVAL:

This AD Revision is approved under EASA reference No 2004-8068 dated July 27, 2004.

SUPERSEDED