


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 2010 - 029</p> <p>Date: 23 March 2010</p> <p>Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>
<p>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p>	
<p>Type Approval Holder's Name :</p> <p>MICROTURBO</p>	<p>Type/Model designation(s) :</p> <p>Saphir 20 Model 095 Auxiliary Power Unit</p>
<p>TCDS Number : QAC 150 (letter 53038 SFACT/TC dated 12/01/1990).</p>	
<p>Foreign AD : Not applicable.</p>	
<p>Supersedure : This AD supersedes EASA AD 2008-0084 dated 06 May 2008 and corrected on 26 February 2009.</p>	
ATA 49	Airborne Auxiliary Power – Auxiliary Power Unit Turbine Wheel Life Limit – Reduction
Manufacturer(s):	MICROTURBO
Applicability:	<p>Saphir 20 Model 095 Auxiliary Power Units (APU), all serial numbers.</p> <p>These APUs are known to be installed on, but are not limited to, Eurocopter EC225 and AS332 helicopters.</p>
Reason:	<p>The turbine wheel, Part Number (P/N) 095-01-015-03, of the SAPHIR 20 Model 095 APU is a life-limited part. MICROTURBO had determined through "fleet leader" testing and inspection that the published life limit of this turbine wheel should be reduced to 9 000 cycles. Use of the turbine wheel beyond 9 000 cycles could have led to the release of high energy debris that could jeopardize aircraft safety.</p> <p>For the reasons described above, EASA AD 2008-0084 required the implementation of the new life limit on the affected parts and the replacement of parts that had exceeded the new limit.</p> <p>MICROTURBO has now determined that the life limit of this turbine wheel should be further reduced to 4 225 cycles. Use of the turbine wheel beyond 4 225 cycles could lead to the release of high energy debris that could jeopardize aircraft safety.</p> <p>For the reasons described above, this AD, which supersedes EASA AD 2008-0084, requires the implementation of the new life limit on the affected parts and the replacement of parts that had exceeded the new limit. This AD also extends the scope to include the P/N 095-01-015-20 turbine wheel, which</p>

	is physically identical to the P/N 095-01-015-03 turbine wheel but is manufactured using a revised process (approved by EASA).
Effective Date:	[TBD: 14 days after final AD issue date]
Required action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within one month after the effective date of this AD or upon accumulating 4 225 APU cycles in service, whichever occurs later, and thereafter, at intervals not to exceed 4225 APU cycles, replace the turbine wheel P/N 095-01-015-03 or (P/N) 095-01-015-20, as applicable, with a serviceable unit in accordance with the instructions of MICROTURBO Service Bulletin 095-49-17.</p> <p>(2) Compliance with the requirements of paragraph (1) of this AD can be demonstrated by:</p> <p>(2.1) Revising as follows, unless accomplished previously, the approved Aircraft Maintenance Programme from which the Operator or the Owner ensures the continuing airworthiness of each operated aeroplane:</p> <p>Incorporate the new life limits and associated helicopter airworthiness limitations specified in the MICROTURBO Service Bulletin 095-49-17.</p> <p>and</p> <p>(2.2) Complying with the approved Aircraft Maintenance Programme as described in paragraph (2.1) of this AD.</p>
Ref. Publications:	<p>MICROTURBO Service Bulletin 095-49-17, Original Issue, dated 16 March 2010.</p> <p>SAPHIR 20 Model 095 Maintenance Manual 49-29-99.</p> <p>Any later approved revision of these documents is acceptable to comply with the requirements of this AD.</p>
Remarks :	<p>1. This Proposed AD will be closed for consultation on 20 April 2010.</p> <p>2. Enquiries regarding this PAD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail ADs@easa.europa.eu.</p> <p>3. For any questions concerning the technical content of the requirements in this PAD, please contact:</p> <p>MICROTURBO - Support Clients, 8, Chemin du pont de Rupé - BP 62089 31019 Toulouse - Cedex 2 – FRANCE; Telephone +33 (0)5 61 37 55 00; Fax: +33 (0)5 61 70 74 45; E-mail technical.support@microturbo.fr.</p>