


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No : 2007-0113</b></p> <p><b>Date: 26 April 2007</b></p>	
<p>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>		
<p><b>Type Approval Holder's Name :</b></p> <p>Rolls-Royce Deutschland Ltd. &amp; Co. KG.</p>	<p><b>Type/Model designation(s) :</b></p> <p>Tay 650-15, Tay 650-15/10, Tay 651-54</p>	
<p>TCDS Number : LBA 6328</p>		
<p>Foreign AD :N/A</p>		
<p>Supersedure: LBA AD D-1998-055R3</p>		
<b>ATA 72</b>	<b>Engine – Undetected Root Cracks in LP Compressor Rotor Blades</b>	
<p>Manufacturer(s):</p>	<p>Rolls-Royce Deutschland Ltd. &amp; Co. KG.</p>	
<p>Applicability:</p>	<p>Tay 650-15, Tay 650-15/10, Tay 651-54 engines</p> <p>These engines are known to be installed, but not limited to Fokker 100 and Boeing 727 aircraft.</p>	
<p>Reason:</p>	<p>With the introduction of Non-Modification Service Bulletin TAY-72-1442 in 1997 and the publication of the UK CAA Airworthiness Directive 008-10-97 an ultrasonic inspection of the Low Pressure (LP) compressor rotor blades has been required for every shop visit. Non-Modification Service Bulletin TAY-72-1442 Revision 2 has been issued to extend the effectivity for inspections at shop visits to the Tay 611-8 and Tay 620-15 engines and Revision 3 has been issued to amend the effectivity date and introduce an alternative fan blade removal procedure at shop visit.</p> <p>This Airworthiness Directive supersedes LBA AD D-1998-055R3. Analysis has shown, that ultrasonic inspection is not anymore required for Tay 611-8, Tay 620-15 and Tay 620-15/20 engines to maintain safety, as it was imposed by LBA AD D-1998-055R3.</p>	
<p>Effective Date:</p>	<p>10 May 2007</p>	

<p>Compliance:</p>	<p>For Tay 650-15, Tay 650-15/10, Tay 651-54 engines:</p> <p>Mandated actions are described in Rolls-Royce Deutschland Service Bulletin Tay-72-1442 Revision 4 as follows:</p> <ul style="list-style-type: none"> <li>- The inspection action detailed in paragraph D. PART 1 of Rolls-Royce Deutschland Service Bulletin Tay-72-1442 Revision 4 must be accomplished whenever LP compressor fan blades are removed and installed again in a different engine</li> <li>- The inspection action detailed in paragraph D. PART 2 of Rolls-Royce Deutschland Service Bulletin Tay-72-1442 Revision 4 must be accomplished at every engine shop visit from 1<sup>st</sup> December 1997.</li> </ul> <p>For Tay 650-15 engines:</p> <p>Engine Serial Numbers: 17201, 17202, 17226, 17253, 17341, 17356, 17428, 17450, 17457, 17458, 17497, 17530, 17622, 17643, 17655, 17678, 17709, 17751, 17755, 17805 and 17806</p> <p>perform an ultrasonic inspection on the LP compressor rotor blades as defined in Non-Modification Service Bulletin TAY-72-1591 Revision 1. Operators who can prove that the subject inspection had already been accomplished are exempt from these requirements.</p>
<p>Ref. Publications:</p>	<p>Rolls-Royce Deutschland Service Bulletin Tay-72-1442 Revision 4 Rolls-Royce Deutschland Service Bulletin TAY-72-1591 Revision 1</p>
<p>Remarks :</p>	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOC) for this AD.</li> <li>2. Required actions and the risk allowance have granted publication and notification of an immediate AD, ruling out the public consultation process.</li> <li>3. Enquiries regarding this Airworthiness Directive should be referred to the AD Focal Point - Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact: <b>Rolls-Royce Deutschland Ltd &amp; Co KG Service Engineering</b>, Eschenweg 11, D-15827 Blankenfelde-Mahlow, Germany Telephone +49 (0) 1712310248 Facsimile +49 (0) 33 7086 3613 Email: <a href="mailto:tech.help@rolls-royce.com">tech.help@rolls-royce.com</a></li> </ol>