


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2015-0056</p> <p>Date: 31 March 2015</p> <p>Note: This Airworthiness Directive (AD) 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>This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with EU 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EU 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<p>Design Approval Holder's Name: ROLLS-ROYCE DEUTSCHLAND Ltd & Co KG</p>	<p>Type/Model designation(s): Tay 650 and Tay 651 engines</p>	
<p>TCDS Number: EASA.E.063</p>		
<p>Foreign AD: Not applicable</p>		
<p>Supersedure: This AD supersedes EASA AD 2007-0086 dated 30 March 2007.</p>		
ATA 72	Engine – High Pressure Turbine Stage 1 Disc – Cyclic Life Limit Reduction	
<p>Manufacturer(s):</p>	<p>Rolls-Royce plc</p>	
<p>Applicability:</p>	<p>Tay 650-15 and Tay 651-54 engines, all variants, all serial numbers. These engines are known to be installed on, but not limited to, Fokker F28 Mark 0100 and Boeing 727 series aeroplanes.</p>	
<p>Reason:</p>	<p>A recent analysis identified the need to reduce the existing cyclic life limit of certain High Pressure Turbine (HPT) Stage 1 discs, Part Number (P/N) JR32013, as compared with the values published in RRD Tay 650 and Tay 651 engine Time Limit Manuals (TLM), Chapter 05-10-01.</p> <p>Operation of the affected HPT Stage 1 disc P/N JR32013 beyond the reduced cyclic life limit would likely result in an unsafe condition.</p> <p>This condition, if not corrected, could lead to part failure, possibly resulting in release of high energy debris with consequent damage to the aeroplane and/or injury to the occupants.</p> <p>Prompted by the analysis results, RRD issued Alert Non Modification Service Bulletin (NMSB) TAY-72-A1821 to inform about the reduced cyclic life limits for various affected flight plans.</p> <p>For the reasons described above, this AD requires implementation of the reduced cyclic life limits, as applicable to the various flight plans and replacement of HPT Stage 1 disc P/N JR32013 that have already exceeded the reduced cyclic life limit.</p>	

Effective Date:	14 April 2015															
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>For engines with a HPT Stage 1 disc P/N JR32013 installed, before exceeding the cyclic life limit as indicated in Table 1 of this AD, depending on flight plan the engine is operated in, as applicable, or within 100 flight cycles (FC) after the effective date of this AD, whichever occurs later, replace the HPT disc P/N JR32013 with a serviceable part in accordance with the instructions of RRD NMSB TAY-72-A1821.</p> <p style="text-align: center;">Table 1 HPT Stage 1 disc P/N JR32013 Life Limitation</p> <table border="1" data-bbox="596 539 1337 826"> <thead> <tr> <th>Engine Model</th> <th>Flight Plan</th> <th>Life Limit</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="text-align: center;">Tay 650-15</td> <td style="text-align: center;">A</td> <td style="text-align: center;">18 900 FC</td> </tr> <tr> <td style="text-align: center;">B</td> <td style="text-align: center;">15 500 FC</td> </tr> <tr> <td style="text-align: center;">C</td> <td style="text-align: center;">11 500 FC</td> </tr> <tr> <td style="text-align: center;">D</td> <td style="text-align: center;">9 300 FC</td> </tr> <tr> <td style="text-align: center;">Tay 651-54</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">10 873 FC</td> </tr> </tbody> </table>	Engine Model	Flight Plan	Life Limit	Tay 650-15	A	18 900 FC	B	15 500 FC	C	11 500 FC	D	9 300 FC	Tay 651-54	N/A	10 873 FC
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Ref. Publications:	<p>RRD NMSB TAY-72-A1821 Revision 01 dated 26 March 2015.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>															
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 02 February 2015 as PAD 15-008 for consultation until 02 March 2015. The Comment Response Document can be found at http://ad.easa.europa.eu. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: Rolls-Royce Deutschland Ltd & Co KG Eschenweg 11, D-15827 Blankenfelde-Mahlow, Germany Telephone: +49 (0) 33 7086 1768, Fax +49 (0) 33 7086 3356 E-mail: RRDTechnicalHelpdesk@Rolls-Royce.com. 															