


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 15-008</p> <p>Date: 02 February 2015</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.</p> <p>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>Design Approval Holder's Name:</p> <p>ROLLS-ROYCE DEUTSCHLAND Ltd & Co KG</p>	<p>Type/Model designation(s):</p> <p>Tay 650 and Tay 651 engines</p>
<p>TCDS Number: EASA.E.063</p>	
<p>Foreign AD: Not applicable</p>	
<p>Supersedure: None</p>	
ATA 72	Engine – High Pressure Turbine Stage 1 Disc – Cyclic Life Limit Reduction
<p>Manufacturer(s): Rolls-Royce plc.</p>	
<p>Applicability: Tay 650-15 and Tay 651-54 engines, all variants, all serial numbers.</p> <p>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:	[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) 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>Table 1 HPT Stage 1 disc P/N JR32013 Life Limitation</p> <table><tr><th>Engine Model</th><th>Flight Plan</th><th>Life Limit</th></tr><tr><td rowspan="4">Tay 650-15</td><td>A</td><td>18 900 FC</td></tr><tr><td>B</td><td>15 500 FC</td></tr><tr><td>C</td><td>11 500 FC</td></tr><tr><td>D</td><td>9 300 FC</td></tr><tr><td>Tay 651-54</td><td>N/A</td><td>10 873 FC</td></tr></table> <p>(2) From the effective date of this AD, do not install a HPT Stage 1 disc P/N JR32013 on an engine or an engine with a HPT Stage 1 disc P/N JR32013 on an aeroplane.</p> <p>(3) Within 12 months after the effective date of this AD, revise the approved aircraft maintenance programme (AMP), on the basis of which the operator or the owner ensures the continuing airworthiness of each operated aeroplane by incorporating HPT Stage 1 disc P/N JR32013 cyclic life limits, as detailed in Table 1 of this AD, in accordance with the instructions of RRD NMSB TAY-72-A1821, if applicable.</p> <p>Note: For affected aeroplanes, with Tay 650 or Tay 651 engines installed, and registered in Europe, complying with the approved AMP as specified in paragraph (3) of this AD is required by Commission Regulation (EU) 1321/2014, Part M.A.301, paragraph 3.</p>	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 Initial Issue dated 06 January 2015.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>															
Remarks:	<p>1. This Proposed AD will be closed for consultation on 02 March 2015.</p> <p>2. Enquiries regarding this PAD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu.</p> <p>3. For any question concerning the technical content of the requirements in this PAD, 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.</p>															