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| EASA | AIRWORTHINESS DIRECTIVE |
|  | <p>AD No.: 2008-0122</p> <p>Date: 01 July 2008</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 EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 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 Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p> | |
| Type Approval Holder's Name : Rolls-Royce Deutschland Ltd & Co KG | Type/Model designation(s) TAY 650 / TAY 650-15 |
| TCDS Number : LBA Germany No. 6328 | |
| Foreign AD : Not applicable | |
| Supersedure : This AD supersedes EASA AD 2006-0238 dated 15 September 2006. | |
| ATA 72 | Engine - Low Pressure Turbine Discs Stage 2 and 3 – Inspection, Replacement |
| Manufacturer(s): Rolls-Royce plc. | |
| Applicability: | <p>TAY 650-15 Engines, engine serial numbers 17249, 17251, 17255, 17256, 17273, 17275, 17280, 17281, 17282, 17300, 17301, 17303, 17327, 17332, 17358, 17365, 17370, 17393, 17425, 17426, 17433, 17437, 17438, 17443, 17445, 17446, 17460, 17470, 17474, 17478, 17490, 17491, 17517, 17518, 17520, 17521, 17522, 17523, 17534, 17535, 17536, 17538, 17539, 17540, 17541, 17542, 17552, 17553, 17556, 17561, 17562, 17563, 17580, 17581, 17585, 17612, 17613, 17618, 17635, 17637, 17645, 17661, 17686, 17699, 17701, 17702, 17723, 17724, 17736, 17737, 17738, 17739, 17740, 17741, 17742, 17759, 17760, 17807 and 17808</p> <p>with Module M05300AA (LP Turbine Module) installed.</p> <p>These engines are known to be installed in Fokker F28 Mark 0100 aircraft.</p> |
| Reason: | <p>Strip results from some of the engines listed in the applicability section of this directive revealed excessively corroded low pressure turbine discs stage 2 and stage 3. The corrosion is considered to be caused by the environment in which these engines are operated.</p> <p>Following a life assessment based on the strip findings it is concluded that inspections for corrosion attack are required.</p> <p>The action specified by this AD is intended to avoid a failure of a low pressure turbine disk stage 2 or stage 3 due to potential corrosion problems which could result in uncontained engine failure and damage to the airplane.</p> |

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| | This Airworthiness Directive has been issued, superseding AD 2006-0288, to extend the Applicability to further engine serial numbers. |
| Effective Date: | 15 July 2008 |
| Required action(s) and Compliance Time(s): | <p>Required as indicated, unless accomplished previously:</p> <p>A) Prior to accumulating 11 700 flight cycles (FC) and thereafter at intervals not exceeding 11 700 FC of the engine, inspect the low pressure turbine discs stage 2 and stage 3 for corrosion in accordance with Rolls-Royce Deutschland Non-Modification Alert Service Bulletin TAY-72-A1524.</p> <p>B) When, during any of the inspections as required by paragraph A) of this directive, corrosion is found, replace the affected parts using the rejection criteria described in the Rolls-Royce TAY 650 Engine Manual - E-TAY-3RR, latest revision.</p> <p>All necessary inspections must be accomplished in accordance with the TAY 650 Engine Manual - E-TAY-3RR, Chapters 72-52-23 and 72-52-24.</p> |
| Ref. Publications: | <p>Rolls-Royce Deutschland Non-Modification Alert Service Bulletin TAY-72-A1524, Revision 2, dated 13 June 2008.</p> <p>Rolls-Royce Deutschland TAY 650 Engine Manual - E-TAY-3RR, Chapters 72-52-23 and 72-52-24.</p> <p>The use of later approved revisions of these documents 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. The requirements and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation phase after publication. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail ADs@easa.europa.eu 4. For any questions concerning the technical content of the requirements in this AD, please contact: Rolls-Royce Deutschland Ltd & Co KG Eschenweg 11 - 15827 Dahlewitz – Germany Phone: +49 (0) 33 7086 1768 ; Fax: +49 (0) 33 7086 3356 |