EASA AD No.: 2007-0223R4

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2007-0223R4
	Date: 30 September 2013
T.	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.
This AD is issued in accordance with EU 748/2012. Part 21.A.3B. In accordance with EC 2042/2003 Annex I. Part M.A.301, the	

This AD is issued in accordance with EU 748/2012, Part 21.A.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 AD applies, except in accordance with the requirements of that AD, 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].

LC 2042/2003 ATTIEX I, Part	wi.A.505] or agreed with the Authority C	If the State of Registry [EC 216/2008, Article 14(4) exemption].	
GE Aviation Syst	I Holder's Name: ems, Y PROPELLERS	Type/Model designation(s): R408 propellers	
TCDS Number:	TCDS Number: EASA P.002		
Foreign AD: Not applicable			
Revision:	007-0223R3 dated 19 September 2013.		
ATA 61 Propellers – Blades Metallic Leading Edge Guard – In		letallic Leading Edge Guard – Inspection	
Manufacturer(s):		ding as Dowty Propellers (formerly Dowty Rotol opellers, Dowty Aerospace Gloucester or Dowty	
Applicability:	assemblies Part Number	ellers, all serial numbers, if equipped with blade (P/N) 697071200-18, P/N 697071210-18, P/N 71240-18, P/N 697071245-18, or	
		wn to be installed on, but not limited to, Bombardier d Canada) Models DHC-8-400, DHC-8-401 and	
Reason:	blades lost the metallic le	aces have been reported where the propeller ading edge (L/E) guard. The investigation results were caused by deterioration of the bonding ag edge guard.	
	of in-flight loss of the L/E	cted and corrected, could lead to additional events guard, possibly resulting in damage to the cupants or persons on the ground.	
	2007-0223-E to require re	unsafe condition, EASA issued Emergency AD epetitive inspections of the blade L/E guards for accumulate more than 1 200 flight hours (FH) time	

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Revision 1 of this AD was issued to clarify the required inspections and follow-up actions depending on findings and to make reference to the latest Dowty Alert Service Bulletin (ASS) revision. Revision 2 was issued to specify that blades repaired at the tip are only allowed to continue up to 500 hours in service after repair. This limitation was already in the original Dowty ASB and a Note was added to Required Action(s) section to avoid the impression that the AD does not impose the same limitation.  Revision 3 of this AD is issued to introduce an optional terminating action for the repetitive inspection requirements of this AD.  Revision 4 of this AD is issued to highlight that accomplishment of the optional termination action in accordance with the instructions of Dowty SB D8400-61-70 or SB D8400-61-83 at a previous revision is acceptable.  Effective Date:  Required Action(s) and Compliance Time(s):  Required Action(s) and Compliance Time(s):  Required Action(s) and Compliance Time(s):  Required as indicated, unless accomplished previously:  (1) Within the next 50 FH or within 1 month after 17 August 2007 (the effective date of the original issue of this AD), whichever occurs first, inspect each affected blade assembly where the bonded metallic LE guard has accumulated 1 200 FH or less since installation, in accordance with the instructions of Dowty Propellers ASB No. D8400-61-A69.  (2) Within 50 FH or 1 month after installing a replacement blade, inspect the affected blade assembly where the bonded metallic LE guard has accumulated 1 200 FH or less since installation, in accordance with the instructions of Dowty Propellers ASB No. D8400-61-A69.  (3) After the inspection as required by paragraph (1) or (2) of this AD, as applicable, at intervals not to exceed 100 FH, repeat the inspection of each affected blade assembly in accordance with the instructions of Dowty Propellers ASB No. D8400-61-A69.  When the bonded blade L/E guard of an affected blade assembly has accumulated more than 1 200 FH since installa		
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Dowty Propellers SB D8400-61-70 Original issue dated 07 September 2007,	Ref. Publications:	
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	Revision 1 dated 08 October 2007, Revision 2 dated 01 November 2012, Revision 3 dated 03 June 2013.  Dowty Propellers SB D8400-61-83 Original Issue dated 19 February 2009, Revision 1 dated 15 June 2009, Revision 2 dated 25 January 2010, Revision 3 dated 01 November 2012, Revision 4 dated 03 June 2013.  The use of later approved revisions of these documents is acceptable for
	compliance with the requirements of this AD.
Remarks:	<ol> <li>If requested and appropriately substantiated, EASA can accept Alternative Methods of Compliance for this AD.</li> </ol>
	<ol> <li>Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication</li> </ol>
	3 Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a> .
	<ol> <li>For any questions concerning the technical content of the requirements in this AD, please contact:         Dowty Propellers, Anson Business Park, Cheltenham Road East Gloucester GL2 9QN, United Kingdom         Tel +44 (0) 1452 716067 - Fax +44 (0) 1452 716001         e-mail Mike.Towkan@ge.com.     </li> </ol>