


EASA	AIRWORTHINESS DIRECTIVE	
	AD No.: 2007-0223 R2 Date: 26 October 2007	
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.		
Type Approval Holder's Name :		Type/Model designation(s) :
Dowty Propellers		R408 series propellers
TCDS Number: EASA P.002		
Foreign AD: Not applicable		
Revision: This Airworthiness Directive (AD) revises EASA AD 2007-0223R1 dated 04 October 2007.		
ATA 61	Propellers - Blades Metallic Leading Edge Guard - Inspection	
Manufacturer(s):	Dowty Propellers	
Applicability:	<p>All R408/6-123-F/17 propellers equipped with blade assemblies Part Number (P/N) 697071200-18, 697071210-18, 697071227-18, 697071240-18, 697071245-18 and 697071257-18, where the bonded metallic leading edge guard has accumulated 1 200 Flight Hours (FH) or less since installation.</p> <p>These propellers are known to be installed on, but not limited to, Bombardier Inc. (formerly de Havilland Canada) Models DHC-8-400, DHC-8-401 and DHC-8-402.</p>	
Reason:	<p>Three in-service propellers have been found to have blades which have lost the bonded metallic leading edge guard. If the leading edge guard comes off as the propeller turns, it could cause secondary damage to aircraft or injury to personnel. For the reasons described above, EASA issued Emergency AD 2007-0223-E to require repetitive inspections of the blade Leading Edge (L/E) guards for correct bonding until they accumulate more than 1 200 FH time in service.</p> <p>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 (ASB) revision.</p> <p>This AD has been further revised for clarification, specifying 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 Dowty ASB and the Note is added to the AD to avoid the impression that the AD does not require the same limitation.</p>	
Effective Date:	17 August 2007	

Compliance:	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within the next 50 FH or within 1 month after the effective date of this AD, whichever occurs first, inspect all the concerned blade assemblies where the bonded metallic L/E 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 concerned blade assembly where the bonded metallic L/E 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 the concerned blade assemblies in accordance with the instructions of Dowty Propellers ASB No. D8400-61-A69 until the bonded blade L/E guard has accumulated more than 1 200 FH since installation; (4) When, during any of the inspections as required by paragraphs (1), (2) or (3) of this AD, disbonding is found, apply the criteria as indicated in Appendix A of Dowty Propellers ASB No. D8400-61-A69 Revision 1 and, within the associated time period, repair or replace the affected blade assembly, as necessary, in accordance with the instructions of Dowty Propellers ASB No. D8400-61-A69 Revision 1. <p>Note: Blades that have been repaired within the first 101,6 mm (4.0 inches) of the tip of the blade as specified in Appendix D of the referenced ASB are allowed to continue in service for another 500 FH after accomplishment of the repair. Repair does not terminate the repetitive inspection requirements of paragraph (3) of this directive.</p>
Ref. Publications:	<p>Dowty Propellers Alert Service Bulletin No. D8400-61-A69 initial issue dated 15 August 2007 or Revision 1 dated 18 September 2007, or later approved revisions.</p>
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can accept Alternative Methods of Compliance for this AD. 2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 3. Enquiries regarding this AD should be addressed to the AD Focal Point, 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: Dowty Propellers, Anson Business Park, Cheltenham Road East Gloucester GL2 9QN, United Kingdom Tel +44 (0) 1452 716000 - Fax +44 (0) 1452 716001 e-mail mtowkan@dap.dowty.com