



Emergency Airworthiness Directive

AD No.: 2017-0072-E

Issued: 26 April 2017

Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, 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 Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

STEMME AG

Type/Model designation(s):

S10-VT and S12 powered sailplanes

Effective Date: 28 April 2017

TCDS Number(s): EASA.A.054

Foreign AD: Not applicable

Supersedure: None

ATA 61 – Propeller – Gearbox – Replacement / Modification

Manufacturer(s):

Stemme AG, formerly Stemme GmbH & Co. KG

Applicability:

S10-VT and S12 powered sailplanes, all serial numbers.

Reason:

It has been determined that, following improper heat treatment during manufacture, the material strength of an identified batch of propeller front transmission gear wheels is insufficient.

This condition, if not corrected, can lead to failure of a gear wheel, with possible loss of the power transmission between the engine and the propeller and, eventually, reduced control of the sailplane.

Prompted by these determinations, Stemme issued Service Bulletin (SB) P062-980010, providing instructions not to operate sailplanes equipped with affected parts.

For the reasons described above, this AD requires replacement of affected gearboxes.

This AD is considered to be an interim action and further AD action may follow.



Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Note: For the purpose of this AD, an affected part is a front gearbox, having Part Number (P/N) 11AG and a serial number (s/n) listed in Table 1 of this AD, except those that have been modified in accordance with instructions approved by EASA or by Stemme after the issue date of this AD. Stemme SB P062-980010 provides a method to identify the s/n of the front gearbox.

Table 1 – Affected P/N 11AG front gearbox s/n

<p>80058/0814, 80059/0915, 80060/0915, 80061/1115, 80062/1215, 80063/0116, 80064/0416, 80065/0616, 80066/0716, 80067/0916, 80068/1016, 80069/0117, 80070/0217, 80071/0217</p>
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- (1) For sailplanes equipped with an affected part (see Note), before next flight after the effective date of this AD, replace the front gearbox with a not affected part, in accordance with instructions approved by EASA or by Stemme.
- (2) From the effective date of this AD, do not install on any sailplane an affected part.

Ref. Publications:

Stemme AG SB P062-980010 original issue, dated 21 April 2017.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. For any question concerning the technical content of the requirements in this AD, please contact: Stemme AG, Flugplatzstrasse F2 Nr. 6-7, 15344 Strausberg, Germany
Telephone: +49 3341 3612 0, Fax: +49 3341 3612 30

