



Emergency Airworthiness Directive

AD No.: 2021-0223-E

Issued: 06 October 2021

Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

HPH SPOL.s r.o.

Type/Model designation(s):

Glasflügel 304 (powered) sailplanes

Effective Date: 08 October 2021

TCDS Number(s): EASA.A.030

Foreign AD: Not applicable

Supersedure: None

ATA 27 – Flight Controls – Elevator Control Rod – Inspection / Modification / Replacement

Manufacturer(s):

HPH, spol.s r.o. (HPH)

Applicability:

Glasflügel 304 S sailplanes, Glasflügel 304 eS and Glasflügel 304 MS powered sailplanes, all serial numbers (s/n).

Definitions:

For the purpose of this AD, the following definitions apply:

Affected part: Elevator control rods, having Part Number 304S-46-12.

Serviceable part: An affected part that is new (not previously installed) and is confirmed to have a drainage hole installed at the lower fork base.

The SB: HPH Service Bulletin (SB) G304MS-12b), G304S-12b) and G304eS-12b), published as a single document.



Groups: Group 1 are Glasflügel 304 S sailplanes, s/n 2-S to 8-S inclusive, 10-S, 11-S, 12-S, 14-S, 26-MS, 27-S, 29-MS and 30-MS; and Glasflügel 304 eS powered sailplanes, s/n 1-S, 15-MS to 25-MS inclusive.

Group 2 are all other s/n Glasflügel 304 S sailplanes, Glasflügel 304 eS and Glasflügel 304 MS powered sailplanes.

Reason:

Occurrences have been reported of finding corrosion on the elevator control rod.

This condition, if not detected and corrected, could lead to failure of the affected part, possibly resulting in loss of control of the (powered) sailplane.

To address this potential unsafe condition, HPH has issued the SB, providing the necessary instructions.

For the reasons described above, this AD requires a pull test, inspections and, depending on findings, modification of the affected part by drilling a drainage hole, or replacement of the affected part with a serviceable part, as defined in this AD, which constitutes terminating action for the inspections.

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

Required as indicated, unless accomplished previously:

Pull Test:

- (1) For Group 1 (powered) sailplanes: Within 3 days after the effective date of this AD, accomplish a pull test of the affected part in accordance with the instructions (Action 1, Inspection 1) of the SB.

Inspection(s):

- (2) For Group 1 (powered) sailplanes: Within 30 days after the effective date of this AD, make an inspection hole in the tail wheel area and accomplish an inspection in accordance with the instructions (Action 1, Inspection 2) of the SB.
- (3) If, during the inspection as required by paragraph (2) of this AD, no drainage hole is found to be present, within 2 months after the effective date of this AD, and, thereafter, at intervals not to exceed 12 months, inspect the internal area of the elevator pushrod in accordance with the instructions (Action 1, Inspection 3) of the SB.

Corrective Action(s):

- (4) If, as a consequence of the pull test as required by paragraph (1) of this AD, different readings are obtained between measurements before and after the pull test, before next flight, replace the affected part with a serviceable part in accordance with the instructions (Action 2) of the SB.
- (5) If, during any inspection as required by paragraph (3) of this AD, no drainage hole is present and structural damage resulting from corrosion is found, within 30 days after that inspection,



replace the affected part with a serviceable part in accordance with the instructions (Action 3) of the SB.

Replacement / Modification:

- (6) If no corrosion is found during any inspection as required by paragraph (3) of this AD, within 15 months after the effective date of this AD, replace the affected part with a serviceable part, or modify the affected part, as applicable, in accordance with the instructions (Action 4) of the SB.

Terminating Action:

- (7) Replacement on a (powered) sailplane of the affected part with a serviceable part as required by paragraph (4), (5) or (6) of this AD, or modification of the affected part as specified in paragraph (6) of this AD, as applicable, constitutes terminating action for the inspections as required by paragraph (3) of this AD for that (powered) sailplane.

Parts Installation:

- (8) For Group 1 and Group 2 (powered) sailplanes: From the effective date of this AD, it is allowed to install on any (powered) sailplane an affected part, provided it is a serviceable part, as defined in this AD.

Ref. Publications:

HPH SB G304MS-12b), G304S-12b) and G304eS-12b), published as a single document, original issue dated 05 October 2021.

The use of later approved revisions of the above-mentioned 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. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.



5. For any question concerning the technical content of the requirements in this AD, please contact: HPH spol.s r.o., Čáslavská 234, CZ284 01 Kutná Hora, Czech Republic, Telephone/Fax +420-327 512633, E-mail: info@hph.cz.

