

**AIRWORTHINESS DIRECTIVE.**

**CANCELLED 14.03.2016**

**REFER TYPE CERTIFICATE HOLDERS CURRENT DATA**

**TYPE AFFECTED:** MOSQUITO, MOSQUITO B, GLASFLUGEL 304.

**SUBJECT:** Inspection program for life extension past 3000 hours.

**BACKGROUND:** Following successful fatigue testing of wing spar sections, the manufacturer has negotiated approval with the German airworthiness authorities for the possible extension of the service life from 3000 hrs to 6000 hrs. This extension depends totally on the sailplane being able to pass life extension inspections at 1000 hour intervals as detailed in Technical Note 303-13 and 304-4 (29 Nov 1988).

Inspection (1) at 3000 hours extending to 4000 hours.

Inspection (2) at 4000 hours extending to 5000 hours.

Inspection (3) at 5000 hours extending to 6000 hours.

Inspections (1), (2) and (3) are to be carried out in accordance with the manufacturer's inspection schedules.

**INSPECTION SCHEDULE AVAILABILITY:** When an extension inspection becomes due the owner must request from G.F.A. the current issue of the relevant inspection schedule.

**INSPECTION SCHEDULE DEVELOPMENT:** The manufacturer will be continually assessing reports from completed inspections, upgrading inspection schedules in the light of data received in those reports.

**INSPECTION SCHEDULE REPORT:** On completion of the inspection the C. of A. inspector must return the completed schedule to the CTO/A., together with any other details of structural or mechanical defects found during the inspection. That information will then be collated and forwarded to the manufacturer.

**DOCUMENTATION:** Pages E63 and E64 "Mosquito + Mosquito B" Manual Pages E59 and E60 "GLASFLUGEL 304" Manual.

**SIGNED:** Mike Valentine

for STOA  
CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

**THE GLIDING FEDERATION  
OF AUSTRALIA**

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- ACTION REQUIRED:**
1. Immediate.
    - (a) Add pages E63 and E64 to the "Mosquito + Mosquito B" flight and service manual or add pages E59 and E60 to the "Glasflugel 304" flight and service manual.
  2. (a) At 3000 hours, 4000 hours and 5000 hours total time flown, obtain from GFA the current inspection schedule which will also include any other GFA inspection requirements.
    - (b) Carry out a GFA Form 2 inspection incorporating the inspection schedule.
    - (c) On completion, forward the completed schedule, plus, if necessary, a separate condition report to the CTO/A.
    - (d) Following satisfactory test flight the Form 2 is to be certified by the C. of A. inspector and a maintenance release raised.
    - (e) The Maintenance release must be endorsed "Next life extension due at....hrs total time flown". (i.e. 4000, or 5000 hours).
    - (f) Full inspection/rectification details to be recorded in the gliders log book.
- WEIGHT AND BALANCE:** No change.
- IMPLEMENTATION:**
- (1) The manufacturer's inspection Schedule must be completed by a person holding an 1109 endorsed for "Airworthiness Survey-FRP".
  - (2) FRP repair work to be completed (where required) by a person holding an 1109 endorsed "FRP repair" minor/major as required.
- COMPLIANCE:** The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.



**Airworthiness  
Directive  
2000-318**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Glasflügel**

**Effective Date: October 05, 2000**

**Affected:**

Kind of aeronautical product:	Sailplane
Manufacturer:	Streifeneder, Grabenstetten, Germany
Type:	Glasflügel 304, Mosquito and Mosquito B
Models affected:	Glasflügel 304, Mosquito and Mosquito B
Serial numbers affected:	all
German Type Certificate No.:	318

**Subject:**

Extension of the service time and Supplements of the Flight- and Operation Manual

**Reason:**

The results of fatigue tests (subsequently carried out on wing spar sections) have demonstrated that the time in service of GFRP sailplanes may be extended to 12000 hours, provided the airworthiness of each individual aircraft is evidenced by a special multi-stage inspection program, which is then to be incorporated into Flight- and Operation Manual.

Facilitation of maintenance by supplementing the Flight- and Operation Manual.

**Action:**

Insert revisions of the Flight- and Operation Manual and whenever one of the various limits in service time is reached, an inspection is to be performed according to an „Inspection program for extending the service time“ which may be obtained from the manufacturer.

The actions must be done in accordance with the Technical Notes of the manufacturer.

**Compliance:**

The action must be performed on reaching a service time of 6000 flight hours but not later than December 31, 2000.

**Technical publication of the manufacturer:**

Streifeneder Technical Note No. 303-22 and No. 304-9, both dated May 22, 2000 which becomes herewith part of this AD and may be obtained from Messrs.:

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Glasfaser-Flugzeug-Service GmbH  
Hofener Weg

D- 72582 Grabenstetten  
Federal Republic of Germany  
Phone: ++ 49 7382 / 1032 Fax: ++ 49 7382 / 1629  
E-Mail: streifly@aol.com

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Operators of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

Enquiries regarding this Airworthiness Directive should be referred to Mr. Olaf Schneider, Airworthiness Directive Section at the above address, fax-no. 0049 531/2355-720. Please note, that in case of any difficulty, reference should be made to the German issue!

3. The relevant inspections are to be carried out by the service station in charge of Glasflügel sailplanes or by a certified repair station.

4. For the case that an inspection is not carried out by the service station in charge, a current inspection schedule is to be requested from the repair station in charge of Glasflügel sailplanes

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for each individual inspection.

The inspection is to be carried out not any later than three month after the inspection schedule was issued.

5. The results of the inspection are to be entered into the inspection schedule step by step.

For the case that the inspection is not carried out by the repair station in charge, a copy of the completed inspection schedule must be supplied to the repair station in charge of Glasflügel sailplanes for evaluation.

6. Obligatory periodic inspections (like the F.R.G. annual inspection according to § 15 (1) of the LuftGerPV) are not affected by this regulation.

## INSPECTION PROCEDURES FOR THE EXTENSION OF THE SERVICE LIFE

### 1. General

The results of cyclic loading tests subsequently carried out on wing spars justify the extension of the service life of FRP sailplanes and motor gliders to 12000 hours, provided that the airworthiness of each individual aircraft is evidenced once more by a special multi-stage inspection program under the aspects of the service life which exceeds the normal annual inspection.

### 2. Terms

When the sailplane has reached a service life of 6000 hours, an inspection is to be carried out following the inspection schedule as mentioned in section 4.

If the results of this inspection are positive or after proper repair of defects observed, the service life of the sailplane is extended by 1000 hours to a total of 7000 hours (fourth stage).

Once 7000 hours are reached, the inspection in accordance with the aforementioned schedule is to be repeated. If the results are positive or after proper repair of defects observed the service life may be extended to 8000 hours (fifth stage).

This procedure is repeated until the sailplane reaches a service life of 12000 hours. For a service exceeding 12000 hours further regulations will be published in due time.

3. The relevant inspections are to be carried out by the service station in charge of Glasflügel sailplanes or by a certified repair station.

4. For the case that an inspection is not carried out by the service station in charge, a current inspection schedule is to be requested from the repair station in charge of Glasflügel sailplanes

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Glasfaser-Flugzeug-Service GmbH  
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Technical Note 303-22  
304-9

Data sheet 318

Subject: Extension of service life

Affected: Sailplane model "Mosquito", -variant "Mosquito B"  
-variant "Glasflügel 304"  
all serial numbers.

Compliance: Before reaching a total service life of 6000 hours, however not later than Dec. 31st, 2000.

Reason: The results of cyclic loading tests carried out on wing spars justify the extension of the service life of FRP sailplanes and motor glider to 12000 hours, provided that the airworthiness of each individual aircraft is evidenced by a special multi-stage inspection program carried out in compliance with supplementary instructions of the Flight- and Operations Manual.

Action: The Flight- and Operations Manual is to be supplemented by

- Page No. E 65 and E 66 (Mosquito and Mosquito B)
- Page No. E 61 and E 62 (Glasflügel 304)

titled.

"Inspection procedures for extension of service life"  
and the table of contents on page No.2 is to be amended accordingly.

Remarks: The improviat pages of Flight. and Operations Manual are avialable from Messrs.

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Note: The accomplishment is to be entered into the aircraft log book by a licensed inspector.

LBA approved:



12. Sep. 2000

Grabenstetten, 22.05.2000

*H. Streifeneder*