



Airworthiness Concern Sheet

(Initiated by FAA Office)

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Gregory Davison
Project Officer
Small Airplane Directorate
ACE-112

901 Locust Street
Kansas City, MO 64106
816 329-4130 Gregory.Davison@faa.gov

Make, Model, Series, Serial No.: Grob G102 Astir CS, G102 Club Astir III, G102 Club Astir IIIb, G102 Standard Astir III; All Serial Numbers

Reason for Airworthiness Concern:
Inspect and Replace Spar Spigot Assemblies

FAA Description of Airworthiness Concern:

In 1991, the German airworthiness authority, LBA, issued Airworthiness Directive 91-5/2 on Grob single seat gliders requiring an inspection and eventual replacement of the spar spigot assemblies. This action was based on Grob Service Bulletin TM 306-29 / 320-5. Grob issued this bulletin as a precautionary measure. There were no occurrence reports from glider operators. However, due to the criticality of this assembly, Grob's current position is to recommend that the FAA issue an AD using the original service bulletin with adjustments in the time of compliance. The FAA had issued a similar AD in 1990 (AD 90-02-09), which affects the spar spigot assemblies on twin seat Grob models, but never issued an AD on the single-seat versions. Cracks in the spar spigot assembly could lead to structural failure of the wing spar.

Approximately 75 units could be affected in the U.S. Parts cost is estimated at \$840 and 22 hours labor time.

The FAA is considering AD action through the NPRM process to address this concern. A copy of Grob's Service Bulletin and LBA AD are attached electronically.

Please provide your comments on this airworthiness concern and address any other issues (i.e., technical, cost of compliance) that you deem appropriate to this matter.

Attachments: *SDR(s) ☐ *A/IDS ☐ *SL(s) ☒ *SAIB ☐ *FAASR/*NTSBSR ☐ *AD ☒ *AMOC ☐ *RA ☒

Notification: FAA ☐ *AOPA ☒ *EAA ☐ Type Club ☐ *TC Holder ☐ Other: ☐

Response Date Requested: 03/21/05: Emergency (10 days) ☐ Alert (30 days) ☒ Information (90 days) ☐

(Space Bar Adds "X" to Check Boxes)

*Service Difficulty Reports (SDRs); Accident/Incident Data System (A/IDS); Service Letter (SL); Special Airworthiness Information Bulletin (SAIB); Federal Aviation Administration (FAA)/National Transportation Safety Board (NTSB) Safety Recommendation (FAASR/NTSBSR); Airworthiness Directive (AD); Alternate Method of Compliance (AMOC); Risk Assessment (RA); Aircraft Owners & Pilots Association (AOPA); Experimental Aircraft Association (EAA); Type Certificate (TC)