



Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Propeller mounting inspection	Doc-Nr: ADxC-73-SB-034 Issue: A Date: 31.05.2023 ChangeNr.: DC-097
Service Bulletin			

Propeller mounting inspection
SERVICE BULLETIN

Office of Airworthiness release
Date:
Name: L. Rammos (deputy HoA)
Signature:

Verification Engineer
I hereby declare that the technical content of this document is correct and can be used to fulfil the obligations of the type design holder per 21.A.265(h)
Date:
Name: M. Basien
Signature:

Author
Date:
Name: Andre von Pinkowski
Signature:

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Amendments

Issue	Reason	Date
A	Initial issue	31.05.2023

Propeller mounting inspection

SB is released to inspect and remove unwanted grease at propeller mounting.

STANDARD

0 General

0.1 ATA Code

ATA 61 PROPELLERS – Propeller installation

0.2 Effectivity

All BRM Aero B23 models and serial numbers,

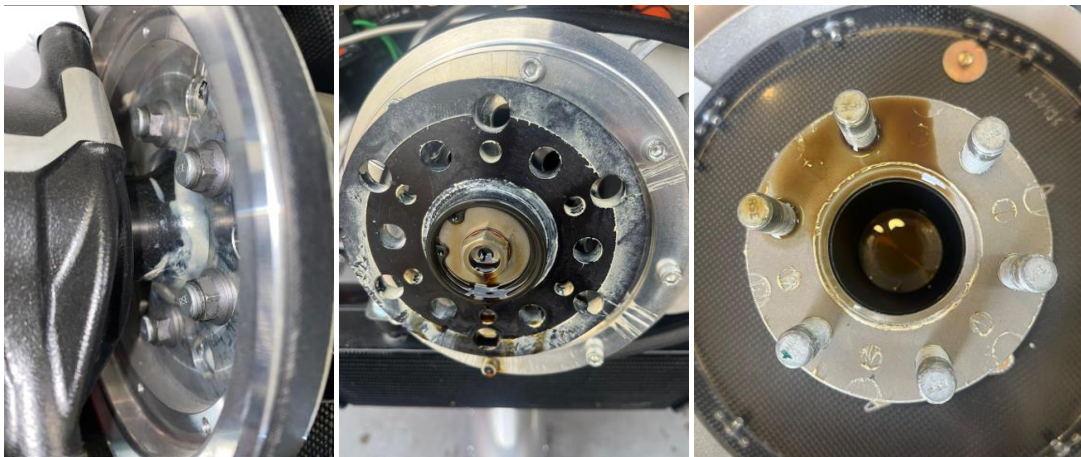
- without installed DC-097.
- TCDS: EASA.A.642

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1 Planning information

1.1 Reason

It was recognised that grease might be in the propeller mounting contrary to the propeller manufacturer installation manual. Cause is that conservation grease of new Rotax engine was not removed during installation.



1.2 Safety Intent

The safety intent is to prevent the unsafe condition.

This is potentially safety critical as bolts can lose pre-tension if remaining grease exits the flange. This is potentially safety critical as friction between engine and propeller flange is reduced. This process however is extremely slow.


1.3 Configuration Description N/A

1.4 Compliance

If criteria in Section 0 is met

- Service bulletin must be accomplished
 - This SB could be made mandatory by an EASA AD.
 - This SB is mandatory as per EASA AD no. xyxyx
- Service bulletin recommended to be accomplished to prevent significant operational disruptions
- Service bulletin to introduce improvements
- Service bulletin for convenience or option

Compliance time is until the next scheduled maintenance

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1.5 Approval statement

The technical content of this document is approved under the authority of the DOA ref. EASA. 21J.411.

1.6 Concurrent publications N/A

1.7 Manpower

Approx. 1 hour is required to accomplish this SB.

1.8 Weight and Balance N/A


1.9 Electrical load data N/A

1.10 Software modification N/A

1.11 Referenced documentation

MT-Propeller E-2285 BETRIEBS- UND EINBAUANWEISUNG OPERATION-, INSTALLATION and MAINTENANCE MANUAL, Revision 4 or newer

1.12 Other publications effected N/A

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2 Material information

2.1 Material- cost – availability N/A

2.2 Company support information

BRM AERO, s.r.o.

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2.3 Material requirements per aircraft N/A

2.4 Rework parts N/A


2.5 Special tooling N/A

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3 Accomplishment/Instructions

- 1) Check If criteria from Section 0 is met.
- 2) Inspect parts for grease at the propeller-engine flange connection. If grease is found¹, follow ADxC-73-001-AMM and MT-Propeller E-2285:
 - a) Dismount propeller
 - b) Clean engine, propeller flange and bolts and nuts with solvent of gasoline. All surfaces must be dry and clean. Remove all surface defects.
 - c) Mount Propeller according MT-Propeller E-2285
- 3) Update ADxC-73-001-AMM to Issue 2.1
- 4) Make a log book entry and add note to aircraft CAW documentation that this Service bulletin has been incorporated.

¹ Note: grease on blade or inner surface of spinner can also originate from the blade retention, refer to MT-E2285.

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4 Appendix

NIL