

TECHNISCHE INFORMATION NR. SI 36-131

SERVICE INFORMATION NO. SI 36-131

I. TECHNISCHE ANGABEN

1.1 Betroffene Flugzeuge:

Alle H 36 und HK 36 R
mit Hoffmann Propeller

1.2 Gegenstand

Hoffmann Propeller Alert Service Bulletin
ASB003 A

ATA-Code: 61-00

1.3 Anlass

Hoffmann Propeller GmbH & Co.KG hat das
Alert Service Bulletin Nr. ASB003 A
herausgegeben, welches den Austausch
von Propellern vorschreibt, die von Hercules
Propellers UK überholt wurden.

1.4 Information

Detaillierte technische Informationen finden
Sie im Hoffmann Propeller Alert Service
Bulletin ASB003 A welches ohne weitere
Ergänzungen oder Einschränkungen
anwendbar ist.

II. SONSTIGES

1. Das Hoffmann Propeller Alert Service
Bulletin ASB003 ist dieser Service
Information beigelegt.
2. Im Zweifelsfall kontaktieren Sie bitte
Hoffmann Propeller GmbH & Co.KG.
3. Ausführliche Informationen über das
System für Technische Informationen
finden Sie in der aktuellen Ausgabe der
SI 36-001.

I. TECHNICAL DETAILS

1.1 Airplanes affected:

All H 36 and HK 36 R airplanes with
Hoffmann Propeller installed

1.2 Subject

Hoffmann Propeller Alert Service Bulletin
ASB003 A

ATA-Code: 61-00

1.3 Reason

Hoffmann Propeller GmbH & Co.KG has
issued Alert Service Bulletin No. ASB003 A
mandating the replacement of propellers
which were overhauled by Hercules
Propellers UK.

1.4 Information

For detailed technical information refer to
Hoffmann Propeller Alert Service Bulletin
ASB003 A which is applicable without any
further additions or restrictions.

II. OTHERS

1. Hoffmann Propeller Alert Service
Bulletin ASB003 A is attached to this
Service Information.
2. In case of doubt contact Hoffmann
Propeller GmbH & Co.KG.
3. For detailed information of the Service
Information System refer to SI 36-001
latest issue.



Alert Service Bulletin ASB003 A

QS-FO 90A

Improper balancing/ overhaul

1 General

| | |
|--------------|---|
| Effectivity: | All Hoffmann Propeller serviced by Hercules Propellers (UK) |
| Reason: | Negligent and improper balancing/ overhaul |
| Description: | A fixed pitch propeller has appeared which has been improperly overhauled. The propeller was balanced using an unsuitable method. For balancing, holes were drilled in the critical blade root area which severely weakened the area. This can lead to massive imbalance and even blade loss. Damage to the propeller, engine, engine mount and aircraft cannot be ruled out. The propeller was overhauled by Hercules Propellers (UK), who do not have access to Hoffmann Propeller maintenance documents. |

2 Revision History

| Revision | Description/Reason for Revision | Date |
|----------|---------------------------------|------------|
| A | Initial Issue | 2024-11-20 |

3 Description

| | |
|---|--------------|
| Manpower: | None |
| Material – Cost and Availability: | None |
| Tooling: | None |
| Weight and Balance: | Not Affected |
| Electrical Load Data: | Not Affected |
| Software Accomplishment Summary: | Not Affected |
| References: | None |
| Other Publications: | None |
| Family Tree Chart of Modification Relationship: | Not affected |
| Interchangeability or Intermixability of Parts: | Not affected |

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4 Accomplishment Instruction

4.1 Description of improper balancing methode

The propeller found was probably balanced with a balancing shaft which holds the propeller by two cones on the center bore. Because of the construction of the Hoffmann fixed pitch propellers such balancing shafts cannot be used to balance the propeller. Special balancing shafts are required to balance Hoffmann fixed pitch propellers.

4.2 Description of improper installation of balancing lead

Deep holes were filled with lead for balancing. The holes were drilled in the blade root area and go well over halfway into the propeller. This procedure is also not permitted and can lead to blade loss.

4.3 Handling of Propellers overhauled by Hercules Propellers

Hercules Propellers uses balancing and overhaul methods that are not permitted and completely unsuitable for Hoffmann Propellers. Their use can lead to considerable damage, injury or death. Therefore, propellers that have been maintained in any way by Hercules Propeller must be taken out of service immediately. **Replace such propellers before next flight!**

5 Approval Statement

The technical content of this document is approved under the authority of the DOA ref. EASA. 21J.083.

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