

# SERVICE INFORMATION

## NO. SI 20-094

### **I TECHNICAL DETAILS**

#### **I.1 Airplanes affected**

Type: DV 20,  
all airplanes with Hoffmann Propeller installed

#### **I.2 Subject**

Hoffmann Propeller Alert Service Bulletin ASB003 A  
ATA-Code: 61-00

#### **I.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.

#### **I.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 REMARKS**

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 20-100 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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