

# SERVICE LETTER

**SUBJECT: LANDING-GEAR WHEEL BEARINGS - LUBRICATION**

To all Customers and Operators:

Date: Sep 3/99

This Service Letter is issued to draw attention to the following information:

**Use of Grease - Material Numbers P04-001 and P04-003 (Ref. AMM, 20-31-00)**

It is possible for operators of PC-12 and PC-12/45 aircraft to use two types of grease (Material Nos. P04-001 and P04-003) to lubricate the landing-gear wheel bearings. It is also possible for the two materials to be mixed in the wheel bearings during the lubrication procedures. The temperature ranges of these materials are:

- P04-001, -40 to 177°C
- P04-003, -65 to 240°C

The use of grease (Material No. P04-001) in the wheel bearings is satisfactory when the aircraft is operated in the usual temperature ranges. A mixture of the two materials is also satisfactory during these conditions.

Very low temperatures, which occur in cold climates and high altitudes, can have unwanted effects on the properties of material No. P04-001. Because of this, Pilatus recommends Operators to use grease (Material No P04-003) in the landing-gear wheel bearings. This material has an increased temperature range and cold conditions have less effect on its properties. Pilatus also recommends Operators to do the following at the next applicable inspection:

- Clean all applicable wheel bearings which contain only grease (Material No P04-001) or a mixture of the greases (Material Nos. P04-001 and P04-003)
- Use the grease (Material No P04-003) to lubricate the wheel bearings at this and subsequent inspection procedures

Instructions for the use of the above materials will be incorporated in the applicable chapters of the AMM at subsequent revision.

Operators requiring further information on this subject, please contact one of the addresses given below:

PILATUS AIRCRAFT LTD.,  
CUSTOMER LIAISON MANAGER,  
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or

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