



Action code: **WHEN CONVENIENT**

Temperature Range for Propeller

SL2016-629/BTT
November 2016

Concerns

Owners and operators of
MAN propellers.
Type: VB and VBS all sizes

Dear Sirs

In order to avoid too tight or too loose fit between different propeller parts with different thermal expansion coefficients, the attached document has been made. The document describes the temperature range for storage, operation and maintenance for MAN propeller equipment.

For further information, please do not hesitate to contact our Technical Service Department:

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Yours faithfully

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Enclosure:
Document 2188579-0.1, Temperature specification

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20160120	MMA	KPP	Z4	Text: thermal expansion, added			01
							02
							03

The propeller equipment temperature is an important variable due to the fact that the propeller is made of different materials. The clearance between the different parts will vary with changes in temperature since the materials have different thermal expansion coefficients. This fact has to be taken into consideration and the below stated temperature ranges must be fulfilled in order not to damage the equipment.

Storage:

The propeller equipment must be stored indoor with a minimum temperature of 5°C above outdoor temperature to avoid condensation. For further information and demands please see the description "Packing and preservation".

Operation: -2°C to +38°C

The operating temperature is related to worldwide operation in sea water.

Maintenance: -5°C to +50°C

The temperature range is for overhauling propeller equipment when docking. Test and check of pitch setting must only be carried out when the propeller equipment temperature is above -5°C.

It is preferable to mount/demount "large series" propeller blade when the temperature is above +5°C.