



Copper Alloy Castings For Propellers

Manufacturer **VEEM LTD**

Address 22 Baile Road, Canning Vale, Western Australia, 6155, Australia

Type Copper Alloy Castings For Propellers

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.



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Copper Alloy Castings for Propellers	Propellers	Grades	Maximum Weight	Units
-	-	Cu1	0.56	Tonnes
-	-	Cu3	2.10	Tonnes

Additional Remarks

Approval covers manufacture of Propeller castings, Cu 3 alloy, maximum weight, 2.1 tonnes.

Approval covers manufacture of Propeller Hub castings, Cu 3 alloy, maximum weight, 3.55 tonnes.

Approval covers weld repair of Cu 3 propeller and hub castings.

Approval covers heat treatment for Cu 3 alloy as part of post weld repair heat treatment.

Welding Procedure for pre-authorised weld repairs on propeller and hub castings is VEEM PQR 499 Rev 0.

Propellers and hubs for naval application are to be inspected by Dye Pentrant and UT techniques, as per procedures agreed with Lloyd's Register.

The scope of approval does not cover heat treatment or weld repairs of copper alloy propellers in Cu 1 alloy.



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