



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000205
Revision No:
2

This is to certify:

That

Vulkan Technologies Pvt. Limited

**Gat No 539-B, Kasar Amboli, Tal. Mulshi, Dist. Pune – 412 115 Maharashtra,
India**

is an approved manufacturer of
Steel Castings

in accordance with

DNV rules for classification – Ships

DNV class programme – DNV-CP-0246 Steel castings

and the following particulars:

Application area	Castings for hull structures and equipment Casting for machinery
Steel type	Alloy
Casting method	Sand casting
Max. weight	250 kg
Max. wall thickness	50 mm
Heat treatment condition	Normalized and tempered, quenched and tempered
Additional approval conditions	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.
Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2024-09-17**

This Certificate is valid until **2027-08-31**.

DNV local unit: **India CMC MES**

Approval Engineer: **Andrzej Otrebski**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature
Christian Wildhagen

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: AM 311

Revision: 2022-12

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Particulars of the approval

Castings for machinery

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition ²⁾
Alloy	NV C550A, NV C600A	SC	250	50	NT, QT

Castings for hull structure and equipment

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition ²⁾
Alloy	NV C550AW, NV 600AW, NV C620AW	SC	250	50	NT, QT

Castings for machinery / Castings for hull structure and equipment according to other standards

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Alloy	G26CrMo4 acc. EN 10293	SC	250	50	NT, QT
	GS-25CrMo4 acc. DIN 17205	SC	250	50	NT, QT

Remarks:

- ¹⁾ SC: Sand Casting
- ²⁾ NT: Normalised and tempered
QT: Quenched and tempered
- ³⁾ Incl. equivalent grades in acc. to other standards