

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

VIS VANA San. Ith.Ihr.Tic. Ltd. Sti.
Türkoba Mah. Atatürk Cad. No:232/1
Büyükçekmece/İstanbul ,
Turkey

is an approved manufacturer of
Iron Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Iron type	Nodular cast iron
Casting method	Sand casting
Max. weight	See page 2
Max. wall thickness	See page 2
Heat treatment condition	As cast

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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2020-04-09**

for **DNV GL**

This Certificate is valid until **2023-04-08**.

DNV GL local station: **Istanbul**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Job Id: **263.11-010304-1**
Certificate No: **AMMM00002R7**

Particulars of the approval

Cast iron

Iron type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Nodular	VL NCI 400	SC	500	100	AC
	EN-GJS-400-15 acc. EN 1563	SC	500	100	AC

Remarks:

- 1) SC: Sand casting
- 2) AC: As cast
- 3) Incl. equivalent grades in acc. to other standards