

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM00002RT** 

This is to certify:

That

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

is an approved manufacturer of **Steel Castings** 

in accordance with

**DNV GL rules for classification - Ships** 

and the following particulars:

Application area Castings for hull structures and equipment,

Castings for machinery,

Castings for boilers, pressure vessels and piping systems

Steel type Carbon and carbon-manganese,

See page 2

Casting method Sand casting
Max. weight 500 kg
Max. wall thickness 100 mm
Heat treatment condition 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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2020-05-26** 

for **DNV GL** 

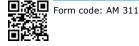
This Certificate is valid until 2023-05-25.

DNV GL local station: Istanbul

Approval Engineer: Christian Wildhagen

Thorsten Lohmann Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



4 311 Revision: 2020-01 www.dnvgl.com Page 1 of 2

Job Id: 263.11-010647-1 Certificate No: AMMM00002RT

## Particulars of the approval

### Castings for hull structure and equipment

Steel type	Grade <sup>3)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition <sup>2)</sup>
C and C-Mn	VL C400UW, VL C440UW, VL C480UW, VL C520UW	SC	500	100	N

### **Castings for machinery**

Steel type	Grade <sup>3)</sup>	Casting method 1)	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition <sup>2)</sup>
C and C-Mn	VL C400U, VL C440U, VL C480U, VL C520U	SC	500	100	N

#### Castings for boilers, pressure vessels and piping systems

Steel type	Grade <sup>3)</sup>	Casting method 1)	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition <sup>2)</sup>
C and C- Mn	VL C450H, VL C490H	SC	500	100	N

#### Remarks:

SC: Sand Casting
 N: Normalized
 Incl. equivalent grades in acc. to other standards

Form code: AM 311 Revision: 2020-01 www.dnvgl.com Page 2 of 2