**DNV-GL** 

## APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: AMMM00002KG

This is to certify:

That

Vanguard Foundry Ltd Stourbridge, West Midlands, United Kingdom

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 200 kg
Max. wall thickness 40 mm
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 2019-09-04

for **DNV GL** 

This Certificate is valid until 2022-06-30.

DNV GL local station: Manchester

Approval Engineer: Christian Wildhagen

Thorsten Lohmann Head of Section



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Job Id: 263.11-002035-4 Certificate No: AMMM00002KG

## Particulars of the approval

## **Cast iron**

Iron type	Grade <sup>3)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition <sup>2)</sup>
Nodular	VL NCI 400	SC	200	40	AC
	VL NCI 500	SC	200	40	AC

## Remarks:

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

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