



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000011H
Revision No:
2

This is to certify:

That
REINOSA FORGINGS & CASTINGS, S.L.
Alejandro Calonge 1, 39200 Reinosa, Cantabria,
Spain

is an approved manufacturer of
Steel Castings

in accordance with
DNV GL rules for classification – Ships
DNVGL-OS-B101 – Metallic materials

and the following particulars:

Application area	Castings for hull structures and equipment
Steel type(s)	Casting for machinery
Casting method	Carbon and Carbon-Manganese
Max. weight	Sand casting
Heat treatment condition	110 000 kg
	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 **2021-08-30**

for **DNV**

This Certificate is valid until **2024-06-30**.

DNV local station: **Area NB/CMC Iberia**

Approval Engineer: **Andreas Koch**

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Thorsten Lohmann
Head of Section

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Particulars of the approval

Castings for hull structure and equipment

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
C and C-Mn	VL C400UW, VL C440UW, VL C480UW, VL C520UW, VL C560UW, VL C600UW	SC	110 000	N, NT, QT

Castings for machinery

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
C and C-Mn	VL C400U, VL C440U, VL C480U, VL C520U, VL C560U, VL C600U	SC	110 000	N, NT, QT

Remarks:

- ¹⁾ SC: Sand Casting
- ²⁾ N: Normalised
 QT: Quenched and tempered
 NT: Normalised and tempered
- ³⁾ Including equivalent grades to other standards