



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000262
Revision No:
3

This is to certify:

That

CKD Kutna Hora, a.s.
Karlov 197, Kutná Hora,
Czech Republic

is an approved manufacturer of
Steel Castings

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV class programme – DNV-CP-0246 Steel castings

and the following particulars:

Application area	Castings for hull structures and equipment Castings for machinery
Steel type	Carbon and carbon-manganese
Casting method	Sand casting
Max. weight	8 000 kg
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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2024-09-03**

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

DNV local unit: **Prague CMC**

Approval Engineer: **Enno Brück**



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

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Page 1 of 2

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	NV C400UW, NV C440UW, NV C480UW	SC	8 000	N, NT, QT
Alloy	VL C550AW, NV C620AW	SC	8 000	QT

Castings for machinery

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
C and C-Mn	NV C400U, NV C440U, NV C480U, NV C520U,	SC	8 000	N, NT, QT
Alloy	NV C550A, NV C600A, NV C690A	SC	8 000	QT

Remarks:

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