



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000028H
Revision No:
2

This is to certify:

That
Österby Gjuteri AB
Martinvägen 8, 748 32 Österbybruk,
Sweden

is an approved manufacturer of
Steel Castings

in accordance with
DNV rules for classification – Ships
DNV class programme – DNV-CP-0249 Iron castings

and the following particulars:

Application area	Castings for hull structures and equipment Castings for machinery Castings for propellers Stainless steel castings
Steel type(s)	Carbon and carbon-manganese, Alloy, Martensitic stainless, Austenitic stainless, Austenitic-ferritic (Duplex) stainless,
Casting method	See page 2
Max. weight	See page 2
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 **2024-11-25**

This Certificate is valid until **2027-06-29**.

DNV local unit: **Sweden CMC**

Approval Engineer: **Christian Wildhagen**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

Martin Wenning

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.

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	7000	N, NT, QT
Alloy	NV C550AW, NV C620AW	SC	7000	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	7000	N, NT, QT
Alloy	NV C550A, NV C600A, NV C690A	SC	7000	QT

Stainless steel castings

Castings for propellers

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Austenitic	GX 2 CrNi 18 10 (304L) GX 5 CrNi 19 9 (304) GX 6 CrNiNb 19 10 (347) GX 2 CrNiMo 19 11 2 (316L) GX 5 CrNiMo 19 11 2 (316) GX 5 CrNiMo 19 11 3 (317)	SC	7000	SHT
22Cr Duplex	GX 2 CrNiMoN 22 5 3	SC	7000	SHT
25Cr Duplex	GX 2 CrNiMoCuN 25 6 3 3			

Remarks:

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