



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000028H
Revision No:
1

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

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 **2022-09-28**

for **DNV**

This Certificate is valid until **2024-06-29**.

DNV local station: **Sweden CMC**

Approval Engineer: **Christian Wildhagen**

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	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