



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM000005E
Revision No:
4

This is to certify:

that

AMPO S.C.
Idiazabal, Gipuzkoa, Spain

is an approved manufacturer of
Steel Castings

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0246 Steel castings

and the following particulars:

Application area	Castings for machinery Castings for steel castings for low temperature service
Steel type	Stainless Steel Castings Carbon and carbon-manganese Austenitic stainless Austenitic-ferritic (Duplex) stainless Martensitic stainless
Casting method	Sand casting
Max. weight	See page 2
Heat treatment condition	See page 2
Remarks	

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 **2025-09-29**

This Certificate is valid until **2026-12-31**.

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

Approval Engineer: **Dechun Lou**



for **DNV**

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

Stefan Röhr

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 USD 300 000.

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, NV C520UW	SC	5 000	N

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	5 000	N

Stainless steel castings

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	5 000	SHT
Duplex	GX 2 CrNiMoN 22 5 3 (22Cr)			
Martensitic	NV C16Cr5Ni	SC	5000	QT

Steel castings acc. other standards

Steel type	Grade	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Steel acc. to EN 10293				
C and C-Mn	GE200, GE240, GE300	3 000	100	N
Steel acc. to ASTM A351				
Austenitic	CF3M, CF8M	SC	5 000	SHT

Remarks:

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