



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:  
**AMMM000005E**  
Revision No:  
**5**

## 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:

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

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 **2026-04-15**

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 <sup>3)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Heat treatment condition <sup>2)</sup>
C and C-Mn	NV C400UW, NV C440UW, NV C480UW, NV C520UW	SC	5 000	N

**Castings for machinery**

Steel type	Grade <sup>3)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Heat treatment condition <sup>2)</sup>
C and C-Mn	NV C400U, NV C440U, NV C480U, NV C520U	SC	5 000	N

**Stainless steel castings**

Steel type	Grade <sup>3)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Heat treatment condition <sup>2)</sup>
Austenitic	GX 2 CrNi 18 10 (304L)	SC	5 000	SHT
	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)			
Duplex	GX 5 CrNiMo 19 11 3 (317)	SC	5000	QT
	GX 2 CrNiMoN 22 5 3 (22Cr)			
Martensitic	GX 2 CrNiMoCuN 25 6 3 3 (25Cr)	SC	5000	QT
	NV C16Cr5Ni			

**Steel castings acc. other standards**

Steel type	Grade	Casting method <sup>1)</sup>	Max. weight [kg]	Heat treatment condition <sup>2)</sup>
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
Steel acc. to ASTM A995/A995M				
Duplex	Grades 6A and 5A	SC	5000	SHT

**Remarks:**

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