

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM00001J8** Revision No:

This is to certify:

That

Impro Industries (Yixing) Co., Ltd Yixing City, Jiangsu, China

is an approved manufacturer of **Iron Castings**

in accordance with

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

and the following particulars:

Issued at Hamburg on 2023-12-08

Iron type Compacted (vermicular) graphite cast iron in grade GJV 450 according to ISO 16112

Casting method Sand casting
Max. weight See page 2
Heat treatment condition See page 2
Additional approval conditions 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.

This Certificate is valid until 2026-07-31.

DNV local unit: Jiangyin NB & CMC

Approval Engineer: Andreas Koch

Thorsten Lohmann

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.



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Job Id: 263.11-012748-1 Certificate No: AMMM00001J8

Revision No:

Particulars of the approval

Cast iron

Iron type / grade	Casting method 1)	Max. weight [kg]	Heat treatment condition 2)
Compacted (vermicular) graphite cast iron in grade GJV 450 according to ISO 16112	SC	410	AC
	SC	200	Α

Remarks:

SC: Sand casting
A: Annealed; AC: As cast

Additional approval conditionsFor applications subject to special approval

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