

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: AMMM00001J8 Revision No: 2

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:

Iron type

Casting method Max. weight Heat treatment condition Additional approval conditions Compacted (vermicular) graphite cast iron in grade GJV 450 according to ISO 16112 Sand casting See page 2 See page 2 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 2023-12-08

This Certificate is valid until **2026-07-31**. DNV local unit: **Jiangyin NB & CMC** 

Approval Engineer: Andreas Koch

for DNV

Thorsten Lohmann Head of Section

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.





Job Id: Certificate No: **Revision No:** 

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## Particulars of the approval

#### Cast iron

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

Remarks:

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

Additional approval conditions For applications subject to special approval