

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000005Y
Revision No:
1

This is to certify:

That

Poclain Technicast
4 Boulevard de la Primaudière,
72300 Sable-sur-Sarthe,
France

is an approved manufacturer of
Iron Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

| | |
|---------------------------------------|--|
| Iron type | Grey cast iron, Nodular cast iron |
| Casting method | Sand casting |
| Max. weight | 60 kg |
| Max. wall thickness | 40 mm |
| 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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-04-04**

for **DNV GL**

This Certificate is valid until **2021-10-26**.

DNV GL local station: **Le Havre**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Job Id: **263.11-005293-2**
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Particulars of the approval

Cast iron

| Iron type | Grade ³⁾ | Casting method ¹⁾ | Max. weight [kg] | Max. wall thickness [mm] | Heat treatment condition ²⁾ |
|-----------|-------------------------------|------------------------------|------------------|--------------------------|--|
| Nodular | VL NCI-2 | SC | 60 | 40 | F |
| | VL NCI 370 | SC | 60 | 40 | AC |
| | VL NCI 400 | SC | 60 | 40 | AC |
| | VL NCI 500 | SC | 60 | 40 | AC |
| | VL NCI 600 | SC | 60 | 40 | AC |
| | EN-GJS-400-18-RT acc. EN 1563 | SC | 60 | 40 | F |
| | EN-GJS-400-18-LT acc. EN 1563 | SC | 60 | 40 | F |
| | EN-GJS-350-22 acc. EN 1563 | SC | 60 | 40 | AC |
| | EN-GJS-400-15 acc. EN 1563 | SC | 60 | 40 | AC |
| | EN-GJS-400-18 acc. EN 1563 | SC | 60 | 40 | AC |
| | EN-GJS-450-10 acc. EN 1563 | SC | 60 | 40 | AC |
| | EN-GJS-500-7 acc. EN 1563 | SC | 60 | 40 | AC |
| | EN-GJS-600-3 acc. EN 1563 | SC | 60 | 40 | AC |

Remarks:

- ¹⁾ SC: Sand casting
- ²⁾ AC: As cast
F: Ferritizing
- ³⁾ Incl. equivalent grades in acc. to other standards