

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

Giesserei Hegi AG
Emmentalstraße 1, 3414 Oberburg,
Switzerland

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	2 000 kg
Max. wall thickness	150 mm
Heat treatment condition	As cast
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 **2019-01-23**

for **DNV GL**

This Certificate is valid until **2020-12-31**.

DNV GL local station: **Augsburg**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Particulars of the approval

Cast iron

Iron type	Grade ³⁾⁴⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Grey	EN-GJL-150 acc. EN 1561	SC	2 000	150	AC
	EN-GJL-200 acc. EN 1561	SC	2 000	150	AC
	EN-GJL-250 acc. EN 1561	SC	2 000	150	AC
	EN-GJL-300 acc. EN 1561	SC	2 000	150	AC
Nodular	EN-GJS-350-22 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-350-22-LT acc. EN 1563	SC	2 000	150	AC
	EN-GJS-350-22-RT acc. EN 1563	SC	2 000	150	AC
	EN-GJS-400-18 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-400-18-LT acc. EN 1563	SC	2 000	150	AC
	EN-GJS-400-18-RT acc. EN 1563	SC	2 000	150	AC
	EN-GJS-400-15 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-450-10 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-500-7 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-600-3 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-700-2 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-800-2 acc. EN 1563	SC	2 000	150	AC
	VL-NCI-1	SC	2 000	150	AC
	VL-NCI-2	SC	2 000	150	AC
	VL NCI 370	SC	2 000	150	AC
	VL NCI 400	SC	2 000	150	AC
	VL NCI 500	SC	2 000	150	AC
	VL NCI 600	SC	2 000	150	AC
	VL NCI 700	SC	2 000	150	AC
	VL NCI 800	SC	2 000	150	AC

Remarks:

- 1) SC: Sand casting
- 2) AC: As cast
- 3) Certification of any material applied to classed object shall fulfil the applicable material requirements in the DNV GL class rules
- 4) Incl. equivalent grades in acc. to other standards