

Certificate

DNV·GL

Job Id: **263.11-6703-2**
Certificate No: **AMMM000017F Rev.1**

Messrs.

MAN Energy Solutions SE

is certified on the basis of a specific assessment for the application of a Quality Management System for the manufacture of materials in accordance with the Pressure Equipment Directive, Directive 2014/68/EU of the Council of 2014-05-15, Annex I, Par. 4.3, according to the effective version, for the manufacture of products as follows:

Prematerial for components for pressure equipment

Manufacturing plant: **MAN Diesel & Turbo SE**
Stadtbachstraße 1
86153 Augsburg, Germany

Range of materials: **Lamellar cast iron**
Nodular cast iron

As semi-finished products of dimensions and/or weights:

- **Lamellar cast iron acc. EN 1561:**
thickness max. 300 mm, weight max. 120 000 kg
- **Nodular cast iron acc. EN 1563:**
thickness: max. 300 mm, weight max. 120 000 kg
- **Nodular cast iron GGG-SiMo3.08 and GGG-SiMo4.05**
acc. MAN B&W Material Sheet AN 500:
thickness max. 100 mm, weight max. 4 000 kg

Particulars, remarks This certification is granted provided that all materials intended to be used for the construction of pressure equipment comply with the Requirements of Directive 2014/68/EU. For materials not complying with a harmonized standard, a particular material appraisal is required for the application area.

Issued by DNV GL SE, Hamburg, Germany on **2020-02-04**.

This certificate is valid until **2022-10-31**.

competent body
according to Directive 2014/68/EU

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Page 1 of 1