

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

Pleiger Maschinenbau GmbH & Co. KG
Im Hammertal 51, 58456 Witten,
Germany

is an approved manufacturer of
Aluminium Casting Alloys

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Aluminium Casting Alloys
Alloys	AlSi alloys, see page 2
Manufacturing method	Sand casting
Max. Weight	250 kg
Max. wall thickness	200 mm
Heat treatment condition	T6
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 **2018-08-15**

for **DNV GL**

This Certificate is valid until **2021-04-30**.

DNV GL local station: **Essen**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Job Id: **263.11-009054-1**
Certificate No: **AMMM000027X**

Particulars of the approval

Aluminium alloy castings

Alloy group	Grade ³⁾⁴⁾	Casting method ¹⁾	Max. weight [kg]	Max. thickness [mm]	Delivery condition ²⁾
AISI	EN AC-43000	SC	250	200	T6
	EN AC-43100	SC	250	200	T6
	EN AC-43200	SC	250	200	T6
	EN AC-43300	SC	250	200	T6

Remarks:

- 1) SC: Sand casting
- 2) T6: solution annealed and completely artificially aged
- 3) Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules
- 4) Incl. equivalent grades in acc. to other standards