

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That
Slévárny Trinec a.s.
Průmyslová 1001, 739 61 Třinec-Staré Město,
Czech Republic

is an approved manufacturer of
Steel Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Castings for hull structures and equipment Castings for machinery Ferritic steel castings for low temperature service Carbon and carbon-manganese
Steel type	Sand casting
Casting method	6 000 kg
Max. weight	See page 2
Heat treatment condition	See page 2
Additional approval conditions	

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 **2018-07-26**

for **DNV GL**

This Certificate is valid until **2021-06-30**.

DNV GL local station: **Prague**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Particulars of the approval

Castings for hull structure and equipment

Steel type	Grade ³⁾⁴⁾	Casting method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
C and C-Mn	VL C400UW, VL C440UW, VL C480UW, VL C520UW, VL C560UW, VL C600UW	SC	6 000	N, NT, QT

Castings for machinery

Steel type	Grade ³⁾⁴⁾	Casting method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
C and C-Mn	VL C400U, VL C440U, VL C480U, VL C520U, VL C560U, VL C600U	SC	6 000	N, NT, QT

Ferritic steel castings for low temperature service

Steel type	Grade ³⁾⁴⁾	Casting method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
C and C-Mn	C450L, C490L	SC	6 000	N, NT, QT

Remarks:

- 1) SC: Sand Casting
- 2) N: Normalised
QT: Quenched and tempered
NT: Normalised and tempered
Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules
- 3) Possible application and certification of any material to classed object is subject to case by case approval
- 4) Incl. equivalent grades in acc. to other standards