DNV-GL

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM0000WJ**Revision No:

1

This is to certif

That

FOMEC SPA

Corso Inghilterra 40, 12084 Mondovi CN, Italy

is an approved manufacturer of **Steel Forgings**

in accordance with

DNV GL rules for classification - Ships

and the following particulars:

Application area Forgings for hull structures and equipment

Forgings for shafting and machinery

Forgings for gearing

Forgings for boilers, pressure vessels and piping systems

Ferritic steel forgings for low temperature service

Steel type Carbon and carbon-manganese,

see page 2

Forging method Open die forging Max. weight 25 000 kg
Max. diameter / section See page 2

Max. diameter / sectionSee page 2Heat treatment conditionSee page 2Additional approval conditionsSee 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 2019-05-20

for **DNV GL**

This Certificate is valid until 2022-06-30.

DNV GL local station: Genoa

Approval Engineer: Christian Wildhagen

Thorsten Lohmann Head of Section



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263.11-003594-3 Certificate No: AMMM00000WJ

Revision No:

Particulars of the approval

Forgings for hull structures and equipment

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition ²⁾
C and C-Mn	VL F400UW, VL F440UW, VL F480UW, VL F520UW, VL F560UW, VL F600UW	OD	25 000	685	N, NT, QT

Forgings for shafting and machinery Forgings for gearing

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition ²⁾
C and C-Mn	VL F400U, VL F440U, VL F480U, VL F520U, VL F560U, VL F600U, VL F640U, VL F680U, VL F720U, VL F760U	OD	25 000	685	N, NT, QT

Forgings for boilers, pressure vessels and piping systems

Steel type	Grade ³⁾	Forging method 1)	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition ²⁾
C and C-Mn	VL F450H, VL F490H	OD	25 000	685	N, NT, QT

Ferritic steel forgings for low temperature service

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition ²⁾
C and C-Mn	VL F450L, VL F490L	OD	25 000	685	N, NT, QT

Remarks:

1) OD: Open die forging
2) QT: Quenched and tempered

N: Normalized

NT: Normalized and tempered

³⁾ Incl. equivalent grades in acc. to other standards

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