

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000009T
Revision No:
1

This is to certify:

That

L'Union Des Forgerons
13 Rue de la Pierre Follège, 91660 Le Mérévillois,
France

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Forgings for gearing, Forgings for boilers, pressure vessels and piping systems, Stainless steel forgings
Steel type	Alloy, Austenitic stainless, See page 2
Forging method	Open die forging
Max. weight	See page 2
Max. diameter / section	See page 2
Heat treatment condition	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 **2020-12-29**

for **DNV GL**

This Certificate is valid until **2022-06-30**.

DNV GL local station: **France CMC**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Job Id: **263.11-005323-3**
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Particulars of the approval

Forgings for gearing

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max thickness [mm]	Heat treatment condition ²⁾
Alloy	VL F600A, VL F700A, VL F800A, VL F900A, VL F1000A, VL F1100A	OD	600	420	QT

Forgings for boilers, pressure vessels and piping systems

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max thickness [mm]	Heat treatment condition ²⁾
Alloy	VL F0.5Mo, VL F1Cr0.5Mo	OD	600	420	NT, QT
	VL F2.25Cr1Mo	OD	600	420	N, QT

Stainless steel forgings

Steel type / grade ⁴⁾	Forging method ¹⁾	Max. weight [kg]	Max thickness [mm]	Heat treatment condition ²⁾
Austenitic stainless	OD	5 000	420	SHT

Remarks:

- ¹⁾ OD: Open die forging
- ²⁾ QT: Quenched and tempered
N: Normalised
NT: Normalised and tempered
SHT: Solution Heat Treated (Solution Annealing)
- ³⁾ Incl. equivalent grades in acc. to other standards
- ⁴⁾ Stainless steel forgings shall be in accordance with recognized standards, e.g. EN 10222, ASTM A473/A965/A1049 and JIS G 3214, provided that supplementary requirements contained herein are also met. Recognition of other standards is subject to submission to the Society for evaluation.