DNV

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002S1
Revision No:
1

This is to certify:

That

Saint Remy Industrie
Rue de l'Embarcadère, 03600 Commentry,
France

is an approved manufacturer of
Copper Alloy Castings

in accordance with
  DNV rules for classification – Ships
  DNV class programme – DNV-CP-0251 Copper alloy castings

and the following particulars:

Application area	**Castings for valves, fittings and general application, Castings for propellers**
Alloy type	**Ni-Al-bronze**
Manufacturing method	**Sand casting**
Max. weight	**2 000 kg**
Heat treatment condition	**As cast**

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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2023-08-11**

This Certificate is valid until **2026-06-02**.
DNV local unit: **France CMC**

Approval Engineer: **Andreas Koch**

for **DNV**

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Thorsten Lohmann
Head of Section

Particulars of the approval

Castings for valves, fittings and general application

Alloy type	Casting method [1]	Max. weight [kg]	Heat treatment condition [2]
Ni-Al bronze	SC	2 000	AC

Castings for propellers

Alloy type	Grade	Casting method [1]	Max. weight [kg]	Heat treatment condition [2]
Ni-Al-bronze	NV Cu3	SC	5 000	AC

Remarks:

[1] SC: Sand Casting
[2] AC: As cast