DNV·GL

Certificate No:
TAW000026M

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Flux combination

with trade name
Thermanit 22/09 / Marathon 431

Manufacturer
voestalpine Böhler Welding Germany GmbH
Hamm, Germany

is found to comply with
DNV GL rules for classification – Ships

with this approval

Grade	**UNS S31803 (1.4462)**
Current	**DC +**
Approved diameter	**2,0 - 3,0mm**
Positions	**PA (1G,1F)**
Remarks	

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2020-12-31**.
Issued at **Hamburg** on **2016-07-22**
DNV GL local station: **Essen**

for **DNV GL**

Approval Engineer: **Dietmar Liebich**

Thorsten Lohmann
Head of Section

Any significant change in design or construction may render this Certificate invalid.

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