

Certificate No: **TAW00004BD** Revision No:

## TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name

**VDM® FM 59 / I3(Ar + 30%He)** 

Manufacturer

## VDM Metals GmbH Werdohl, Germany

is found to comply with

**DNV GL rules for classification - Ships** DNV GL class programme DNVGL-CP-0069 - Type approval - Welding consumables

with this approval

Grade

DC(+) Current

1.0mm - 1.2mm Approved diameter

**Positions** Flat and vertical upwards (PA, PF)

Remarks \*)AWS 5.14 ERNiCrMo-13

Minimum 0.2% yield strength of the weld metal 450 N/mm<sup>2</sup>

For metal arc inert gas welding Also for fillet welding (PB)

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

Issued at Hamburg on 2019-06-20

This Certificate is valid until 2024-06-19.

DNV GL local station: Essen

Approval Engineer: Hans-Joachim Vogt



for **DNV GL** Digitally Signed By: Hachmoeller, Ludger

Location: DNV GL Hamburg, Germany Signing Date: 2019-06-24, on behalf of

**Thorsten Lohmann Head of Section** 

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



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