



Marine & Offshore

Certificate number: SMS.LAB.320/60114/C.0

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RECOGNITION OF TEST LABORATORY

TPW Prüfzentrum GmbH
Neuss - GERMANY

Summary of the range of the recognition which is detailed in the subsequent page(s):

Material testing: destructive, non-destructive and metallographical tests on ferrous and non-ferrous materials.

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the testing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 13 Jun 2025

For Bureau Veritas Marine & Offshore,

At BV ESSEN, on 23 Feb 2022,

Joachim Altmeyen



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

Type of test	Test standard	Test witnessing requirements	Remark
Corrosion test	DIN EN ISO 3651-1/-2, ASTM A262/G28/G48, ASTM A923	See details below	
Dye penetrant testing	DIN EN ISO 3452-1/5/6, DIN EN 1371-1/-2, DIN EN 10228-2	Tests to be witnessed -as practicable- at each periodical audit	
Eddy Current Test	DIN EN 1971-1, DIN EN ISO 10893-1/2, DIN 54141-1/2/3	Tests to be witnessed -as practicable- at each periodical audit	
Emmision spectrometry	DIN 51418-2	See details below	
Hardness test	DIN EN ISO 9015-1, 6506-1/6507-1/6508-1, DIN EN ISO 2639	Tests to be witnessed	
Impact Test	DIN EN ISO 148-1, DIN EN ISO 9016, DIN 50115	Tests to be witnessed	
Magnetic particle examination	DIN EN ISO 17638, DIN EN 1369, DIN EN 10228-1	Tests to be witnessed -as practicable- at each periodical audit	
Metallographic Examination	DIN 50600/50602, DIN EN 1321, ISO 4967, ASTM E112/E45	Tests to be witnessed -as practicable- at each periodical audit	
Pressure Test	PA 110	Tests to be witnessed	
Technological Test	DIN EN ISO 7438, 8492, 8493, 8494, 8495, 8496, 5173, 9017	Tests to be witnessed	
Tensile Test	DIN EN ISO 6892-1/2, DIN EN ISO 5178, DIN EN ISO 9018, ASTM E8	Tests to be witnessed	
Tomography	DIN EN 16016-3	See details below	
Ultrasonic testing	DIN EN ISO 16810, 17640, DIN 15123, SEP 1914-1920	Tests to be witnessed -as practicable- at each periodical audit	
X-Ry testing	DIN EN ISO 5579, 17636-1/2, DIN EN 12681	Tests to be witnessed -as practicable- at each periodical audit	

2. LIMITATIONS

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to testing facilities and associated quality procedures in order to agree on appropriate actions.

TPW Prüfzentrum GmbH has to carry out and report the tests in compliance with the relevant testing standard(s) and has to make the necessary arrangements to comply with the witnessing requirements agreed with Bureau Veritas Marine & Offshore.

TPW Prüfzentrum GmbH has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. REMARKS

TPW Prüfzentrum GmbH
Xantener Str. 6
41460 Neuss

***** END OF CERTIFICATE *****