



Marine &amp; Offshore

**BUREAU  
VERITAS**

Certificate number: SMS.LAB.320/103910/02/A.0

www.veristar.com

## RECOGNITION OF TEST LABORATORY

**ONE EIGHTY MATERIALS TESTING (PTY) LTD.**  
Cape Town - SOUTH AFRICA

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

1. Various test of metal material (Chemical composition, Mechanical properties, Microscopic and Macroscopic tests)
2. Welding approval test
3. Special test (CTOD test, Various corrosion test, Product failure analysis, etc.)

*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: 19 Jul 2023**

For Bureau Veritas Marine & Offshore,

At BV DURBAN, on 18 Jul 2019,

Jeremy BROWN

*J Brown*



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 electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=ncn8awl6uy>

BV Mod. Ad.E 686 June 2017

This certificate consists of 2 page(s)

## THE SCHEDULE OF RECOGNITION

### 1. RANGE OF THE RECOGNITION

Type of test	Test standard	Test witnessing requirements	Remark
Bend Test	ASME IX, AWS D1 ASTM A370, ABS Rules and BS EN ISO	Tests to be witnessed -as practicable- at each periodical audit	
Corrosion Test	ISO 3651-2 & ASTM A262C & ASTM G48 & ASTM A923C	Tests to be witnessed -as practicable- at each periodical audit	
Hardness Testing	ASTM E384 & ASTM E140	Tests to be witnessed -as practicable- at each periodical audit	
Impact Testing	ASTM E23, ISO 148-1	Tests to be witnessed -as practicable- at each periodical audit	
Macro Examination	ASTM E340, ISO 5817	Tests to be witnessed -as practicable- at each periodical audit	
Micro Examination	ASTM E1351	Tests to be witnessed -as practicable- at each periodical audit	
Microstructural Analysis	ASTM E3 & ASTM E562 and ASTM E1245	Tests to be witnessed -as practicable- at each periodical audit	
Portable Hardness Test	ASTM A956 and ASTM E110	Tests to be witnessed -as practicable- at each periodical audit	
Tensile Testing	ASTM E8, BS EN ISO 6892-1 BS EN ISO 10002-1 and ASTM A370	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.

ONE EIGHTY MATERIALS TESTING (PTY) LTD. 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.

ONE EIGHTY MATERIALS TESTING (PTY) LTD. has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

### 3. REMARKS

Nil.

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