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Ships and marine technology — Jacking system appliances on self-elevating unit — Rack pinion leg fixation system

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Contents

Page

Foreword ..... **iv**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Composition and classification **2**
4.1 Composition 2
4.2 Classification 2
5 Technical requirements **4**
5.1 Design requirements 4
5.2 Mechanical fixation mechanism 5
5.3 Power unit 6
5.4 Control system 7
5.4.1 General requirements 7
5.4.2 Main control system 7
5.4.3 Sub-control system 8
5.4.4 Remote control box 8
6 Inspection and testing **8**
6.1 Inspection 8
6.1.1 Material 8
6.1.2 Surface/internal quality 8
6.1.3 Dimensions 8
6.1.4 Coating/plating 8
6.2 Testing 9
6.2.1 Test arrangement 9
6.2.2 Pressure test 9
6.2.3 Safety protection testing 9
6.2.4 Locking and unlocking test 9
6.2.5 Static load bearing capacity test 10
6.3 Type testing and production testing 11
7 Designation **11**
8 Marking **11**
9 Documentation **12**
Bibliography **13**

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Foreword

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This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

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Ships and marine technology — Jacking system appliances on self-elevating unit — Rack pinion leg fixation system

1 Scope

This document specifies requirements on the composition, classification, equipment, inspection, testing, designation, marking and documentation for the rack pinion leg fixation system of a self-elevating unit.

This document is applicable to the design, manufacture, inspection and acceptance of leg fixation systems of self-elevating units.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 148-1, *Metallic materials — Charpy pendulum impact test — Part 1: Test method*

ISO 3662, *Hydraulic fluid power — Pumps and motors — Geometric displacements*

ISO 4413, *Hydraulic fluid power — General rules and safety requirements for systems and their components*

ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature*

IEC 60079-1, *Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures "d"*

IEC 60092-301, *Electrical installations in ships — Part 301: Equipment — Generators and motors*

IEC 60092-302-2, *Electrical installations in ships — Part 302-2: Low voltage switchgear and controlgear assemblies — Marine power*

IEC 60092-360, *Electrical installations in ships — Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables*

IEC 60529, *Degrees of protection provided by enclosures (IP code)*

IACS Rec. No.68, *Guidelines for non-destructive testing of hull and machinery steel forgings*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
self-elevating unit
mobile offshore unit with movable legs capable of raising its hull above the surface of the sea and lowering it back into the sea

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