



## EC TYPE EXAMINATION (MODULE B) CERTIFICATE

No. 01-011106/017390

## THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 96/98/EC as last amended by directive 2014/93/EU, subject to any conditions in the schedule attached hereto.

## TYPE AND DESCRIPTION OF PRODUCT

HYDRAULIC DAVIT TYPE HD 12

## ANNEX A.1 NO AND ITEM DESIGNATION

A.1/1.21 - Launching appliances using falls (davits)

## MANUFACTURER:

MONTMONTAŽA - GREBEN d.o.o.

Obala 4 - br. 50

20270 Vela Luka

CROATIA

## REGULATIONS AND STANDARDS (in accordance with Annex A.1, Directive)

SOLAS 1974 as amended, Reg. III/4, Reg. III/23, Reg. III/33, Reg. III/34 and Reg. X/3,

IMO Res. MSC.48(66)-(LSA Code as amended) I, VI,

IMO Res. MSC. 81(70) as amended,

IMO Res. MSC.36(63)-(1994 HSC Code) 8,

IMO Res. MSC.97(73)-(2000 HSC Code) 8.

## NOTICE:

1. Further details of the product and conditions for certification are given overleaf.
2. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
4. The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
5. In case limitations of use apply, these should be indicated of in the Schedule of Approval.

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: 2019-08-19

Place and date: Split, 2015-11-02

Seal

Signature

Marinko Popović, dipl.ing.

# THE SCHEDULE OF APPROVAL

## 1. PRODUCT DESCRIPTION

**Hydraulic lifeboat/rescue boat davit type HD 12 with safe working load SWL=120 kN.**

Maximum working load: 120 kN

Maximum hoisting load: 5152 kg=50.54 kN (with six persons)

**Associated hydraulic winch type:** TSW 8 L/R, MONTMONTAŽA GREBEN d.o.o

**Wire rope:** Diameter =Ø 18 mm, MBL (minimum breaking load)=198 kN

L<sub>1</sub>=85 m (fore)      L<sub>2</sub>=80 m (aft)

## 2. APPLICATION/LIMITATION OF USE

- Grades of materials as stated on drawings are to be delivered with certificates.
- The various components transferring load like wires, shackles hooks etc. are to comply with international standard or code and are to be delivered with manufacturer's certificate, confirming a safety factor of minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation onboard, support to the deck structure and connection to power supply are not included in this examination and shall be evaluated in each case.

## 3. DESIGN DRAWINGS AND SPECIFICATIONS

Main design appraisal drawings:

General arrangement dwg. no. 210482-1, rev B (hook distance 7745 mm).

General arrangement dwg. no. 210634-1 (hook distance 8200 mm).

Use and Maintenance instructions ident no. 210486-4.

Use and Maintenance instructions ident no. 210486-4/C.

Other drawings as listed in approval letter 358/TB/JM/MD/017390, 574/TB/JM/MD/017390, 826/TB/JM/MD/017390 and 1644/TB/JM/MD/017390.

## 4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

Launching appliance, davit type HD 12 was tested under witnessing of Croatian Register of Shipping as per Prototype tests report no. 210482-1\_TR dated 2015-04-29/30.

NOTE: Prototype testing was carried out with the number of persons having an average mass of 92 kg instead of 82,5 kg as required by LSA Code.

## 5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

The following components have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity:

Associated winch: Type TSW 8 L/R, Manufacturer: MONTMONTAŽA-GREBEN d.o.o.

## 6. OTHER MATERIALS AND/OR COMPONENT

Falls, suspension chains, links and blocks with safety factor as per requirements stated on front page of this certificate.

## 7. PRODUCTION SURVEY REQUIREMENTS

The manufacturer is allowed to affix the Mark of Conformity to equipment referred and to issue a Declaration of Conformity as long as either of the following is fulfilled:

Module D - The quality system for production and testing shall be approved by the Notified Body or,

Module E - The quality system for inspection and testing shall be approved by the Notified Body or,

Module F - Compliance of the products in this EC Type-Examination Certificate is to be verified by the Notified Body who shall also issue a Certificate of Conformity.

## 8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

As per requirements of Regulations and Standards stated on front page of the certificate and in accordance with Installation instruction. Each product is to be supplied with its Manual for installation, use and maintenance in the language required by the ship's Flag Administration.

## 9. MARKING AND IDENTIFICATION



*Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.*

2489/yy (yy = last two digits of year mark affixed)

The product is to be marked with maximum working load, serial number, manufacturer's name and markings in accordance to the LSA Code, item 1.2.2.9

## 10. OTHERS

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the davit at any time, and that the manufacturer will accept responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the davit and the conditions of this approval.

**This certificate replaces the previous EC Type Examination Certificate No. 01-010996/017390 issued 2015-.**

- END OF CERTIFICATE -