



**BUREAU
VERITAS**

Marine & Offshore

Attestation number: 180GTB19

The continuation sheet(s) form(s) part of the attestation.

www.veristar.com

ATTESTATION FOR RELEASE UNIT

Applicant : C M HAMMAR AB (V:a Frölunda - SWE)
Specifications : CM Hammars test procedure for lifebuoy release system

Product description : Lifebouy release system
Quantity : 1 set

Particulars of products as declared by the applicant:

Manufacturer : C M HAMMAR AB (V:a Frölunda - SWE)
Type : HAMMAR LIFEBOUY RELEASE SYSTEM
Drawing number & revision : A001047 Rev. 1
Type Approval MRU : 07493/F0 MED
Type Approval ERU : 07495/E1 BV

Enclosures / Remarks :

At the request of the applicant identified here above, this is to attest that the interventions as described in the subsequent page(s) were carried out with satisfactory results and within the scope of the General Conditions of Bureau Veritas Marine & Offshore

Marking : None

Last attendance date : 26 Apr 2019

Surveyor : Magne MOLLER

Issuance date : 16 May 2019

Office : BV GOTHENBURG



This attestation 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 judgment, 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.

SCOPE OF INTERVENTION

Test Procedure:

The lifebuoy was released by the following methods:

- Manually by removing the locking pin.
- From a remote position by using a HAMMAR MRU release unit.
- From a remote position by using a HAMMAR ERU release unit.
- From a remote position by using a HAMMAR ERU release unit at 10° inclination inwards ship.

Temperature: Room temperature about 20-22°C.

Tests was witnessed to satisfaction.

TEST OF HAMMAR LIFEBOUY RELEASE SYSTEM

DESCRIPTION:

The HAMMAR LIFEBOUY RELEASE SYSTEM is a system designed for remote release of a lifebuoy from ship or vessel. The lifebuoy is placed in a holder on the bridge wing or at another suitable location onboard. The lifebuoy is restrained in its holder by a Polyester Silk rope. The rope is put under tension by the force from a strong spring.

The lifebuoy can be released by two different methods:

- Locally by manually removing a locking pin releasing the rope lashing for the lifebuoy.
- From a remote position by using HAMMAR MRU or a HAMMAR ERU. The HAMMAR release unit cuts the lashing rope for the lifebuoy.

Type approval for HAMMAR ERU, BUREAU VERITAS Certificate No: 07493/F0 MED, Attached to this document.

Type approval for HAMMAR MRRS, BUREAU VERITAS Certificate No: 07495/E1 BV Attached to this document.

Drawing, LIFEBOUY RELEASE BRACKET, Draw. No A001047 – rev 1, Attached to this document.



LIFEBOUY RELEASE SYSTEM with ERU electric release unit



Detailed view of a ERU release unit



Detailed view of a MRU electronic unit

TEST PROCEDURE:

The lifebuoy was released by the following methods:

Manually by removing the locking pin.

From a remote position by using a HAMMAR MRU release unit.

From a remote position by using a HAMMAR ERU release unit.

From a remote position by using a HAMMAR ERU release unit at 10° inclination inwards ship.

Temperature: room temperature about 20 – 22 DegC.

RESULT:

The result of the test was satisfactory.

Gothenburg 2019-04-26



Signed by: Magne Möller
Marine Surveyor
Bureau Veritas Marine & Offshore

