



MARINE DIVISION

Attestation number: 021GTB11

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)
Requirements : CM Hammar's test procedure for lifebuoy release system
Product description : Lifebuoy 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 RRU : 07493/D2 EC
Type Approval ERU : 07495/C0 MCA

Enclosures / Remarks : Test report dated 18/01/2011 witnessed by the Surveyor.

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 Marine Division of Bureau Veritas

Marking : None
Last attendance date : 18 Jan 2011
Surveyor : Magne MOLLER
Issuance date : 18 Jan 2011
Office : BV GOTHENBURG



This attestation is issued within the scope of the General Conditions of Bureau Veritas Marine Division 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 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 RRU 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.

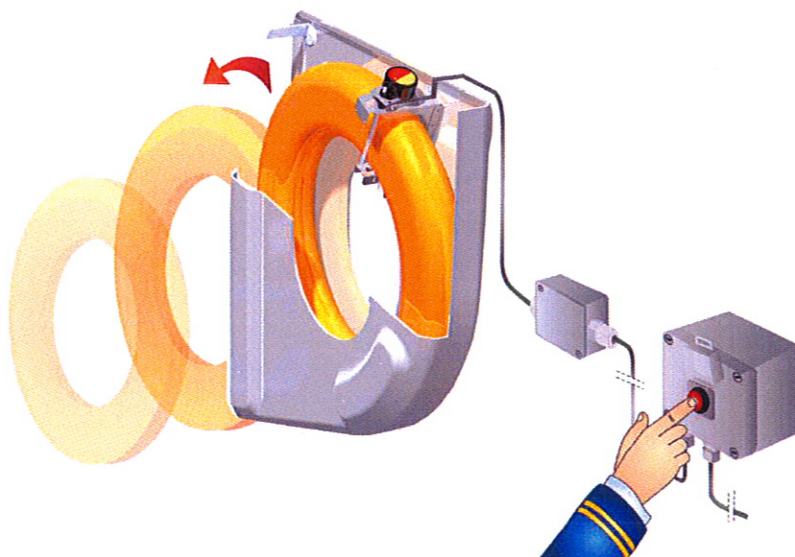
The lifebuoy can be released by two different methods:

- Locally by manually removing a locking pin releasing the rope lashing for the lifebuoy.
- From a remote position by using HAMMAR RRU 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/D2 EC, Attached to this document.

Type approval for HAMMAR RRU, BUREAU VERITAS Certificate No: 07495/C0 MCA 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 the ERU 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 RRU 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 2011-01-18

Signed by: Magne Möller
Marine Surveyor
Bureau Veritas, Marine Division



WITNESSED
 REVIEWED
 NOTED
SURVEYOR: **M. MÖLLER**

DATE: 18/01-2011
Attestation 021GTB11