



MARINE DIVISION

Attestation number: 0064RTD14ATT

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

www.veristar.com

ATTESTATION FOR SOUND SIGNALS (BELLS, HORN, WHISTLE,..)

Applicant : Den Haan Rotterdam B.V. (Capelle aan de IJssel - NLD)
Requirements : Colreg 1972

Product description : SHIPS WHISTLE
Quantity : 1 e.a

Particulars of products as declared by the applicant:

Make / type : DHR Maritone 440-75A
Application : ships up to 75 m
Length : 342 mm
Diameter horn : 180 mm
Sound signal intensity : > 130 dB - 1/3rd octave band level
Ground frequency : 440 Hz
Air pressure : 7 Bar
Air flow : 8 - 12 l/s
Materials : Horn: Solid brass, powder coated
: Membrane house: Stainless steel 316
: Membrane plate: Phosphor bronze

Enclosures / Remarks : suitable for ships up to 75 m according Colreg '72 Annex III

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 : no marking
Last attendance date : 15 Jan 2014
Surveyor : Joost Castelijin

Issuance date : 04 Mar 2014
Office : BV ROTTERDAM



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

On request of Den Haan Rotterdam BV (Capelle a/d IJssel - Netherlands) Bureau Veritas witnessed the tests as required by:

European Union Council Directive 96/98/EC on marine equipment amended by Commission Directive 2012/32/EU MED (8th Amendment)

for:

Item A.2/6.2 – Sound signal appliances

Applicable regulations:

COLREG 72 Annex III/3
IMO Res.A.694(17)

Testing standards and results:

IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008)

Applicable items:	8.2 Dry heat	See report M12.001-2012.7151
	8.4 Low temperature	See report M12.001-2012.7151
	8.7 Vibration	See report M12.001-2012.7151
	8.8 Rain and spray	See report 2160187.01-INC
	8.12 Corrosion	See declaration Den Haan Rotterdam

COLREG 72 Annex III/1 (Performance)	See report PRJCT20140001
-------------------------------------	--------------------------

The EUT as described on page 1 was found to comply with the requirements.