



AMERICAN BUREAU OF SHIPPING

Customer Name **SKIPPER ELECTRONICS A/S**
Attending Office **Oslo**
First Visit Date **04-Feb-2013**

Purchase Order No. **86432**
Report Number **OS2289567**
Last Visit Date **01-Mar-2013**

Certification Of: Ship Side Valve Quantity: One(1)
Manufacturer: SKIPPER ELECTRONICS A/S

Survey Location: Oslo, Norway

Equipment Data

Manufacturer Number(S. No.) 13048
Model Number ZCC-02011, 1H0D6G
Vendor Tag Number 86432

Design Details

Design State Product Design Assessed
ABS Reviewing Organization London Engineering Department
Drawing Number 07-LD231781-PDA

Additional Data

ABS Stamping AB2289567
Valve Size 60
Valve Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED
Design Pressure 3 bar

This is to Certify that the undersigned surveyor(s) to this Bureau did, at the request of the customer, carry out the following survey and report as follows:

Traceability of materials used on this project has been verified.

The principal data has been verified in accordance with the applicable Rules/specifications and approved plans, and confirmed to be within acceptable tolerances.

All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.

Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.

All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.

Subject to satisfactory installation, testing and trials after installation onboard the vessel.

Manufacturer confirmed the product does not contain asbestos through Asbestos Free Declarations and/or supporting documents.

Final markings for identification confirmed.

Four (4) Ball Valves were design assessed as evidenced by 07-LD231781-PDA. These four valves should have been stamped with Maltese Cross but were stamped with AB. The two (2) brass gate valves are not part of the PDA and were stamped with AB. All six valves were pressure to six (6) bar and therefore certified to four (4) bar.

NOTE: This report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item or material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in the contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

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Surveyor(s) to The American Bureau of Shipping
Attending Surveyors

Acomb John L

Electronically Signed on 04-Mar-2013

Reviewed By

Silvestro, Francesco

Electronically Signed on 25-Mar-2013, Oslo Port



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