



Work Order: 4088964-A  
First Visit Date: 13-Jan-2020  
Last Visit Date: 13-Jan-2020  
Vendor PO Number: 112640  
Survey Location: Oslo

## Equipment Certification Report

**Asset Type** Ship Side Valve  
**Customer Name** SKIPPER ELECTRONICS A/S  
**WCN of Customer** 500646  
**Location** Oslo

'This is to certify that the undersigned Surveyors to this Bureau did at the request of SKIPPER ELECTRONICS A/S, on 13-Jan-2020 carry out the following Survey and report as follows:

**Client Asset Name**      **Quantity**

Shell Valve Diam. 100 mm    2

### Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Shell Valve Diam. 100 mm	SKIPPER ELECTRONICS A/S	- , -	TREADE A.S.	- , -	Yes

### Basic Identification Data

Serial Number	Model Number	Owner Tag Number
20005, 20006	SB-100-SB	- , -

### Report Details

**ABS Stamping**    **Maltese Cross**

4088964      Yes

### Design Details

Design state	Drawing Number	Reviewing Organization
Product Design Assessed	17-LD1648327-PDA	London Engineering Department

### Additional Data

**Valve Size**      100 mm  
**Valve Material**    NOT SPECIFIED - High Strength Steel - NOT SPECIFIED - Stainless Steel  
**Design Pressure**    5 bar

## Report Findings

### Statement/Observation

Finding No	Asset	Survey Task	Date Created
172.0	Shell Valve Diam. 100 mm	Certification - Shell Valve Diam. 100 mm, Shell Valve Diam. 100 mm	13-Jan-2020

### Found

1 of 2

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 of 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 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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## Side shell valves intended for Echosounder Transducer Installation

Hydrostatic pressure test was carried out at 5 bar with closed valve.

No leakage or plastic deformation were noted during testing.

The valves were found covered by ABS Product Design Assessment no. 17-LD1648327-PDA.

## Statement of Work - Classification Service - Certification -

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- All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.
- The principal data has been verified in accordance with the applicable Rules/specifications and applicable 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.
- Traceability of materials used on this project has been verified.

### Closing Paragraph:

Tests and examinations as required by the Rules and/or specifications as listed in this report were carried out and found satisfactory.

### Attending Surveyor(s):

Silvestro, Francesco

Signed-off Date: 13-Jan-2020

### Reviewing Surveyor(s)

Work Order Reviewer: Fuglei, Tor Brodde

Work Order Credit Date: 23-Jan-2020