



Work Order: 5331384-A
First Visit Date: 17-Jun-2022
Last Visit Date: 11-Aug-2022
Vendor PO Number: 120392 / 121628
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, from 17-Jun-2022 to 11-Aug-2022, carry out the following survey and report as follows:

Client Asset Name Quantity

Ship Side Valve 4

Name Plate Data

| ABS Label | Manufacturer | Purchaser | Destination Vessel | Spare |
|-----------------|--------------|-----------|--------------------|-------|
| Ship Side Valve | VISVANA | - | - | Yes |

Basic Identification Data

| Serial Number | Model Number | Owner Tag Number | Supplier Ref. Number |
|----------------------------|--------------|------------------|----------------------|
| 22176, 22177, 22178, 22191 | SB-100-SA | - | - |

Report Details

ABS Stamping

5331384

Additional Data

Valve Material Copper
Valve Size 100 mm

Client Asset Name Quantity

Ship Side Valve 3

Name Plate Data

| ABS Label | Manufacturer | Purchaser | Destination Vessel | Spare |
|-----------------|-------------------|-----------|--------------------|-------|
| Ship Side Valve | Pekos Fabricacion | - | - | Yes |

Basic Identification Data

| Serial Number | Model Number | Owner Tag Number | Supplier Ref. Number |
|---------------------|--------------|------------------|----------------------|
| 22179, 22180, 22181 | SB-100-SB | - | - |

Report Details

ABS Stamping

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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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Valve Material Austenitic Cast Stainless Steel

Valve Size 100 mm

Statement of Work - Classification Service - Certification -

- Asbestos-free declaration verified and supporting documentation reviewed.
- 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.

Report Findings

Statement/Observation

| <i>Finding No</i> | <i>Asset</i> | <i>Survey Task</i> | <i>Date Created</i> |
|-------------------|--------------|---|---------------------|
| 198.0 | - | Certification - Ship Side Valve, Ship Side Valve, Ship Side Valve, Ship Side Valve, Ship Side Valve, Ship Side Valve, Ship Side Valve | 11-Aug-2022 |

Found

Seven (7) DN 100 Side shell valves including intermediate element intended for Echo Sounder Transducer Installation

Hydrostatic pressure test was carried out at 5 bar with closed valve for 5 minutes in accordance with 2022 ABS Marine Vessel Rules 4.6.2/7.3.2.

No leakage or plastic deformation were noted during testing.

Material certificates of valves, intermediate elements and bottom flanges were provided by the manufacturer and satisfactorily reviewed.

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

Closing Paragraph:

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.

Attending Surveyor(s):

Fuglei, Tor Brodde

Signed-off Date: 11-Aug-2022

Reviewing Surveyor(s)

Work Order Reviewer: Raudszus, Dietmar
Work Order Credit Date: 12-Aug-2022