



Work Order: 5417586-A
First Visit Date: 16-Aug-2022
Last Visit Date: 16-Aug-2022
Vendor PO Number: 118604 / 121436
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 16-Aug-2022 carry out the following survey and report as follows:

Client Asset Name Quantity

Ship Side Ball Valve 4

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Ship Side Ball Valve	PEKOS FABRICACION, S.L.U.	-	SKIPPER ELECTRONICS A/S	-	Yes

Basic Identification Data

Serial Number	Model Number	Owner Tag Number	Supplier Ref. Number
22285, 22286, 22287, 22288	SB-100-SB	-	PWO/118604-1

Report Details

ABS Stamping Maltese Cross

5417586 Yes

Design Details

Design state	Drawing Number	Reviewing Organization	Rule Set Name	Rule Set Version
Design Approved/ Reviewed	17-LD1648327- PDA	London Engineering Department	Rules for Building and Classing Marine Vessels	2017

Additional Data

Design Pressure 5 bar
Valve Material Austenitic Cast Stainless Steel
Valve Size 100 mm

Statement of Work - Classification Service - Certification -

- 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.

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.

- 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>
199.0	Ship Side Ball Valve	Certification - Ship Side Ball Valve, Ship Side Ball Valve, Ship Side Ball Valve, Ship Side Ball Valve	16-Aug-2022

Found

Side shell ball valves DN100 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):

Silvestro, Francesco

Signed-off Date: 16-Aug-2022

Reviewing Surveyor(s)

Work Order Reviewer: Fuglei, Tor Brodde

Work Order Credit Date: 16-Aug-2022



Work Order: 5417586-B
First Visit Date: 16-Aug-2022
Last Visit Date: 16-Aug-2022
Vendor PO Number: 118604 / 121436
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 16-Aug-2022 carry out the following survey and report as follows:

Client Asset Name Quantity

Ship Side Gate Valve 3

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Ship Side Gate Valve	VIS VANA SAN. ITHALAT IHRACAT TIC.LTD.STI.	-	SKIPPER ELECTRONICS A/S	-	Yes

Basic Identification Data

Serial Number	Model Number	Owner Tag Number	Supplier Ref. Number
22282, 22283, 22284	SB-100-SA	-	PWO/121436

Report Details

ABS Stamping Maltese Cross

5417586 Yes

Design Details

Design state	Drawing Number	Reviewing Organization	Rule Set Name	Rule Set Version
Product Design Assessed	17-LD1648327-PDA	London Engineering Department	Rules for Building and Classing Marine Vessels	2017

Additional Data

Design Pressure 5 bar
Valve Material Cast Bronze
Valve Size 100 mm

Statement of Work - Classification Service - Certification -

- 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.

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- 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>
200.0	Ship Side Gate Valve	Certification - Ship Side Gate Valve, Ship Side Gate Valve, Ship Side Gate Valve	16-Aug-2022

Found

Side shell gate valves DN100 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.

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