



Work Order: 6208802-A.R1
 First Visit Date: 10-Jan-2024
 Last Visit Date: 25-Apr-2024
 Vendor Purchase Order Number: 123139 / 127102 / 130688
 Survey Location: Oslo

Equipment Certification Report

Asset Type Ship Side Valve
Customer Name JOTRON SKIPPER AS
Customer WCN 500646
Location Oslo

This is to certify that the undersigned Surveyors to this Bureau did at the request of JOTRON SKIPPER AS, from 10 January 2024 to 25 April 2024, carry out the following survey and report as follows:

Client Asset Name **Quantity**
 Ship Bottom Ball Valve - DN100 4

Name Plate Data

| ABS Label | Manufacturer | Purchaser | Designer | Spare |
|--------------------------------|---------------------|------------------|-----------------|--------------|
| Ship Bottom Ball Valve - DN100 | VISVANA SAN | - | VISVANA SAN | Yes |

Basic Identification Data

| Serial Number | Model Number | Supplier Reference Number |
|----------------------------|---------------------|----------------------------------|
| 24028, 24029, 24030, 24031 | SB-100-SB | - |

Report Details

ABS Stamping **Maltese Cross**
 6208802 Yes

Design Details

| Design State | Drawing Number | Reviewing Organization |
|-------------------------|-----------------------|-------------------------------|
| Product Design Assessed | 22-2329626-PDA | London Engineering Department |

Additional Data

Valve Material ASTM - Stainless Steel - ASTM A-473, Grade CF-8 - Austenitic Cast Stainless Steel
Valve Size 100 mm

Statement of Work - Classification Service - Certification -

- Company has provided a declaration of conformity as required by International Maritime Organization (IMO) Resolution MSC.282(86), adopting SOLAS Reg. II-1/3-5.2, and the IMO MODU Code 2009, the aforementioned product or design does not contain any form of asbestos.
- Dimensions and tolerances were verified as required by the design approval.
- Material test reports (MTR) were reviewed and found to be the satisfaction of the attending Surveyor. Where required by the Rules, ABS material certification reports have been verified.
- Plan review and/or Product Design Assessment (PDA) has identified design restrictions and/or limitations which are to be referenced upon installation onboard the vessel.
- Rule required testing (pressure/load/operational/proof-load/etc.) of the equipment/component was witnessed to the satisfaction of the attending Surveyor.
- Subject to satisfactory installation, testing and trials after installation onboard the vessel.

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

Valves intended for for Echo Sounder Transducer, Doppler Log Sensor, or Speed Log Sensor installation.

Valves assembly may include Intermediate Element, Bottom Flange, Blanking Plate, Intermediate tube, Intermediate Flange.

Hydrostatic pressure test was carried out at 5 bar with closed valve for 5 minutes in accordance with 2023 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 fanges were provided by the Manufacturer and satisfactorily reviewed.

The valves were found covered by ABS Product Design Assessment no. 22-2329626-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: 29-Jul-2024

Reviewing Surveyor(s)

Work Order Reviewer: Refshauge, Arne S.

Work Order Credit Date: 30-Jul-2024



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 Survey Location: Oslo

Equipment Certification Report

Asset Type Ship Side Valve
Customer Name JOTRON SKIPPER AS
Customer WCN 500646
Location Oslo

This is to certify that the undersigned Surveyors to this Bureau did at the request of JOTRON SKIPPER AS, from 10 January 2024 to 25 April 2024, carry out the following survey and report as follows:

Client Asset Name **Quantity**
 Ship Bottom Gate Valve - SB-100-SA 1

Name Plate Data

| ABS Label | Manufacturer | Purchaser | Designer | Spare |
|------------------------------------|---------------------|------------------|-----------------|--------------|
| Ship Bottom Gate Valve - SB-100-SA | VISVANA SAN | - | VISVANA SAN | Yes |

Basic Identification Data

| Serial Number | Model Number | Supplier Reference Number |
|----------------------|---------------------|----------------------------------|
| 24032 | SB-100-SA | - |

Report Details

ABS Stamping **Maltese Cross**
 6208802 Yes

Design Details

| Design State | Drawing Number | Reviewing Organization |
|-------------------------|-----------------------|-------------------------------|
| Product Design Assessed | 22-2329626-PDA | London Engineering Department |

Additional Data

Valve Material nickel
Valve Size 100 mm

Statement of Work - Classification Service - Certification -

- Company has provided a declaration of conformity as required by International Maritime Organization (IMO) Resolution MSC.282(86), adopting SOLAS Reg. II-1/3-5.2, and the IMO MODU Code 2009, the aforementioned product or design does not contain any form of asbestos.
- Dimensions and tolerances were verified as required by the design approval.
- Material test reports (MTR) were reviewed and found to be the satisfaction of the attending Surveyor. Where required by the Rules, ABS material certification reports have been verified.
- Plan review and/or Product Design Assessment (PDA) has identified design restrictions and/or limitations which are to be referenced upon installation onboard the vessel.
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Attending Surveyor(s):

Fuglei, Tor Brodde
Signed-off Date: 29-Jul-2024

Reviewing Surveyor(s)

Work Order Reviewer: Refshauge, Arne S.
Work Order Credit Date: 30-Jul-2024



Work Order: 6208802-C.R1
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Equipment Certification Report

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Customer WCN 500646
Location Oslo

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Client Asset Name **Quantity**
 Ship Bottom Gate Valve - SB-60-SA 4

Name Plate Data

| ABS Label | Manufacturer | Purchaser | Designer | Spare |
|-----------------------------------|---------------------|------------------|-----------------|--------------|
| Ship Bottom Gate Valve - SB-60-SA | MESON AB | - | MESON AB | Yes |

Basic Identification Data

| Serial Number | Model Number | Supplier Reference Number |
|----------------------------|---------------------|----------------------------------|
| 24033, 24034, 24035, 24036 | SB-60-SA | - |

Report Details

ABS Stamping **Maltese Cross**
 6208802 Yes

Design Details

| Design State | Drawing Number | Reviewing Organization |
|-------------------------|-----------------------|-------------------------------|
| Product Design Assessed | 22-2329626-PDA | London Engineering Department |

Additional Data

Valve Material nickel
Valve Size 60 mm

Statement of Work - Classification Service - Certification -

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Statement/Observation

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Hydrostatic pressure test was carried out at 5 bar with closed valve for 5 minutes in accordance with 2023 ABS Marine Vessel Rules 4.6.2/7.3.2.

No leakage or plastic deformation were noted during testing.

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The valves were found covered by ABS Product Design Assessment no. 22-2329626-PDA.

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