



Work Order: 6791338-A
First Visit Date: 06-Jan-2025
Last Visit Date: 14-Jan-2025
Vendor Purchase Order Number: 132726, 133866 and 127109
Survey Location: Oslo

Equipment Certification Report

Asset Type Pipe Fitting
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 06 January 2025 to 14 January 2025, carry out the following survey and report as follows:

Client Asset Name Quantity
Set of Five (5) Transducer Tanks 1

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Spare
Set of Five (5) Transducer Tanks	JOTRON SKIPPER AS	-	JOTRON SKIPPER AS	Yes

Basic Identification Data

Serial Number	Model Number	Supplier Reference Number
NA	Transducer Tank ETNST	-

Report Details

ABS Stamping Maltese Cross
6791338 Yes

Design Details

Design State	Drawing Number	Reviewing Organization
Product Design Assessed	22-2241511-PDA	London Engineering Department

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.
- Major weldments were examined prior to welding as necessary.
- Manufacturing Record Book was reviewed.
- 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.
- NDE and hardness testing was conducted in accordance with approved specification and found to be the satisfaction of the attending Surveyor.
- 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.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.

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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- Welding procedure specifications and welder qualifications were reviewed and found to be satisfactory to attending ABS Surveyor. Final welding was examined upon completion.
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Statement/Observation

Visual inspection, dimensional control and review of material certification carried out.

Transducer tanks with bottom flanges and intermediate elements were found covered by ABS Product Design Assessment no. 22-2241511-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: 14-Jan-2025

Reviewing Surveyor(s)

Work Order Reviewer: Vocke, Sebastian

Work Order Credit Date: 16-Jan-2025

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 06 January 2025 to 14 January 2025, carry out the following survey and report as follows:

Client Asset Name Quantity

Ship Side Valve, SB-100-SB 3

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Spare
Ship Side Valve, SB-100-SB	VISVANA SAN	-	VISVANA SAN	Yes

Basic Identification Data

Serial Number	Model Number	Supplier Reference Number
24734, 24735, 24736	SB-100-SB	-

Assembly Details

Serial Number	Model Number
24734	SB-100-SB

Report Details

ABS Stamping	Maltese Cross
6791338	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.

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Work Order:	6791338-B
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Last Visit Date:	14-Jan-2025
Vendor Purchase Order Number:	132726, 133866 and 127109
Survey Location:	Oslo

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- 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.
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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

Ship Bottom Shell Ball Valve DN100

Valve intended for for Echo Sounder Transducer or Speed Log Sensor installation.

Valve 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 valve, 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: 14-Jan-2025

Reviewing Surveyor(s)

Work Order Reviewer: Vocke, Sebastian

Work Order Credit Date: 16-Jan-2025



Work Order: 6791338-C
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Vendor Purchase Order Number: 132726, 133866 and 127109
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 06 January 2025 to 14 January 2025, carry out the following survey and report as follows:

Client Asset Name Quantity

Ship Side Valve, SB-60-SA 2

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Spare
Ship Side Valve, SB-60-SA	MESON AB	-	MESON AB	Yes

Basic Identification Data

Serial Number	Model Number	Supplier Reference Number
24732, 24733	SB-60-SA	-

Report Details

ABS Stamping Maltese Cross

6791338 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 65 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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- 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.

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Fuglei, Tor Brodde

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Work Order Reviewer: Vocke, Sebastian

Work Order Credit Date: 16-Jan-2025