



Work Order: 6419518-A  
 First Visit Date: 22-May-2024  
 Last Visit Date: 22-May-2024  
 Vendor Purchase Order Number: PWO 126992, 127106, 127107  
 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, on 22 May 2024 carry out the following survey and report as follows:*

**Client Asset Name**                      **Quantity**  
 Set of Nine (9) Transducer Tanks    1

### Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Set of Nine (9) Transducer Tanks	JOTRON SKIPPER AS	-	JOTRON SKIPPER AS	-	Yes

### Basic Identification Data

Serial Number	Model Number	Supplier Reference Number
6419518	ETNST	-

### Report Details

**ABS Stamping** **Maltese Cross**  
 6419518                      Yes

### Design Details

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

## Statement of Work - Classification Service - Certification -

- ABS Certificate was issued as required by the Rules
- 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.
- Functional testing of subassemblies and completed units, as specified in the fabrication procedures was completed to the satisfaction of the attending Surveyor.
- 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.
- 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.
- Subject to satisfactory installation, testing and trials after installation onboard the vessel.
- The intended application of the equipment has not been provided at this time and any specific requirements depending on final application of the equipment is to be verified by the surveyor attending during installation.
- Welding procedure specifications and welder qualifications were reviewed and found to be satisfactory to attending ABS Surveyor. Final welding was examined upon completion.

*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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## Report Findings

### Statement/Observation

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
245.0	Set of Nine (9) Transducer Tanks	Certification - Set of Nine (9) Transducer Tanks	22-May-2024

### Found

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):

Safrans, Dmitrijs  
Signed-off Date: 23-May-2024

### Reviewing Surveyor(s)

Work Order Reviewer: Fuglei, Tor Brodde  
Work Order Credit Date: 23-May-2024



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## 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, on 22 May 2024 carry out the following survey and report as follows:*

**Client Asset Name**                      **Quantity**  
 Single Bottom 100mm Ball Valve    10

### Name Plate Data

<b>ABS Label</b>	<b>Manufacturer</b>	<b>Purchaser</b>	<b>Designer</b>	<b>Destination Vessel</b>	<b>Spare</b>
Single Bottom 100mm Ball Valve	Visvana	-	Visvana	-	Yes

### Basic Identification Data

<b>Serial Number</b>	<b>Model Number</b>	<b>Supplier Reference Number</b>
24295, 24296, 24297, 24298, 24299, 24300, 24301, 24302, 24303, 24304	SB-100-SB	-

### Report Details

**ABS Stamping** **Maltese Cross**  
 6419518                      Yes

### Design Details

<b>Design State</b>	<b>Drawing Number</b>	<b>Reviewing Organization</b>
Product Design Assessed	22-2329626-PDA	London Engineering Department

### Additional Data

**Design Pressure** 2 bar  
**Valve Material** Austenitic Cast Stainless Steel  
**Valve Size** 100 mm

## Statement of Work - Classification Service - Certification -

- ABS Certificate was issued as required by the Rules
- 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.
- Functional testing of subassemblies and completed units, as specified in the fabrication procedures was completed to the satisfaction of the attending Surveyor.
- Manufacturing Record Book was reviewed.
- 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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- 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.
- The intended application of the equipment has not been provided at this time and any specific requirements depending on final application of the equipment is to be verified by the surveyor attending during installation.

## Report Findings

### Statement/Observation

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
244.0	Single Bottom 100mm Ball Valve	Certification - Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve, Single Bottom 100mm Ball Valve	22-May-2024

### Found

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 2024 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. 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):

Safrans, Dmitrijs

Signed-off Date: 23-May-2024

### Reviewing Surveyor(s)

Work Order Reviewer: Fuglei, Tor Brodde  
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