



Work Order: 6052665-A
First Visit Date: 26-Sep-2023
Last Visit Date: 16-Oct-2023
Vendor PO Number: 121921 - 125404 - 124981
Survey Location: Oslo

Equipment Certification Report

Asset Type Pipe Fitting
Customer Name JOTRON SKIPPER AS
WCN of Customer 500646
Location Oslo

This is to certify that the undersigned Surveyors to this Bureau did at the request of JOTRON SKIPPER AS, from 26-Sep-2023 to 16-Oct-2023, carry out the following survey and report as follows:

Client Asset Name	Quantity
Set of Six (6) Transducer Tanks	1

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Set of Six (6) Transducer Tanks	JOTRON SKIPPER AS	-	JOTRON SKIPPER AS	-	Yes

Basic Identification Data

Serial Number	Model Number	Supplier Ref. Number
-	ETNST	-

Report Details

ABS Stamping	Maltese Cross
6052665	Yes

Design Details

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

Report Findings

Statement/Observation

Finding No	Asset	Survey Task	Date Created
227.0	Set of Six (6) Transducer Tanks	Certification - Set of Six (6) Transducer Tanks	16-Oct-2023

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.

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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Attending Surveyor(s):

Fuglei, Tor Brodde
Signed-off Date: 16-Oct-2023

Reviewing Surveyor(s)

Work Order Reviewer: Vocke, Sebastian
Work Order Credit Date: 18-Oct-2023



Work Order: 6052665-B
First Visit Date: 26-Sep-2023
Last Visit Date: 16-Oct-2023
Vendor PO Number: 121921 - 125404 - 124981
Survey Location: Oslo

Equipment Certification Report

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

This is to certify that the undersigned Surveyors to this Bureau did at the request of JOTRON SKIPPER AS, from 26-Sep-2023 to 16-Oct-2023, carry out the following survey and report as follows:

Client Asset Name	Quantity
Ship Bottom Ball Valve - DN100	2

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Ship Bottom Ball Valve - DN100	MESON AB	-	MESON AB	-	Yes

Basic Identification Data

Serial Number	Model Number	Supplier Ref. Number
23497, 23498	SB-100-SB	-

Report Details

ABS Stamping	Maltese Cross
6052665	Yes

Design Details

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

Additional Data

Valve Material	Valve Size
Austenitic Cast Stainless Steel	100 mm

Report Findings

Statement/Observation

Finding No	Asset	Survey Task	Date Created
229.0	Ship Bottom Ball Valve - DN100	Certification - Ship Bottom Ball Valve - DN100, Ship Bottom Ball Valve - DN100,	16-Oct-2023

Found

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

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Survey Location: Oslo

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: 16-Oct-2023

Reviewing Surveyor(s)

Work Order Reviewer: Vocke, Sebastian

Work Order Credit Date: 18-Oct-2023



Work Order: 6052665-C
 First Visit Date: 26-Sep-2023
 Last Visit Date: 16-Oct-2023
 Vendor PO Number: 121921 - 125404 - 124981
 Survey Location: Oslo

Equipment Certification Report

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

This is to certify that the undersigned Surveyors to this Bureau did at the request of JOTRON SKIPPER AS, from 26-Sep-2023 to 16-Oct-2023, carry out the following survey and report as follows:

Client Asset Name Quantity

Ship Bottom Gate Valve 4

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Ship Bottom Gate Valve	Gopfert AG	-	Gopfert AG	-	Yes

Basic Identification Data

Serial Number	Model Number	Supplier Ref. Number
23493, 23494, 23495, 23496	SB-100-SA	-

Report Details

ABS Stamping Maltese Cross

6052665 Yes

Design Details

Design state Drawing Number Reviewing Organization

Product Design Assessed 22-2329626-PDA London Engineering Department

Additional Data

Valve Material Copper

Valve Size 100 mm

Report Findings

Statement/Observation

Finding No	Asset	Survey Task	Date Created
228.0	Ship Bottom Gate Valve	Certification - Ship Bottom Gate Valve, Ship Bottom Gate Valve, Ship Bottom Gate Valve, Ship Bottom Gate Valve,	16-Oct-2023

Found
Ship Bottom Shell Gate Valve DN100

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Vendor PO Number: 121921 - 125404 - 124981
Survey Location: Oslo

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: 16-Oct-2023

Reviewing Surveyor(s)

Work Order Reviewer: Vocke, Sebastian

Work Order Credit Date: 18-Oct-2023