



Certificate for Machinery Equipment

Valves

This is to certify that the undersigned Surveyor to LLOYD'S REGISTER did at the request of the below customer, attend the testing and examination of the product(s) described below in accordance with the relevant Rules and Regulations for the Classification of Ships and found it/them satisfactory.

General information

Customer	Jotron Skipper AS
Purchase Order No	PWO-133497
Manufacturer	Jotron Skipper AS
Intended for	Warehouse
Customer Work Order No	PWO-133497
Date of issue	15 November 2024
Quantity	11 pcs

Particulars

Description	Flanged ball valves DN100 and Tank Combo type TC-2002
Size	100 mm
Valve body material	Valves: Stainless Steel EN 1.4408, Combo Tanks: ST 52.3
Test pressure body	5 bar
Test pressure seat	-
Design pressure	PN 16 bar
Set pressure if applicable	-
Quantity	6 off Valves and 5 off Tanks

Identification Marks On Product

I.D number	OSL2400940
Surveyors initials	SVU
Date of inspection	15/11/2024

Remarks

All found to satisfaction

Svein Urbye
Lloyd's Register EMEA
A subsidiary of Lloyd's Register Group Limited



Page 2 of 2
Certificate No. OSL2400940
First Date of Inspection 15 November 2024
Final Date of Inspection 15 November 2024
Office Oslo

Description	Manufacturer Designation	Serial Number	IMO Number
SB-100-SB-LR		24644	0
SB-100-SB-LR		24645	0
SB-100-SB-LR		24646	0
SB-100-SB-LR		24647	0
SB-100-SB-LR		24648	0
SB-100-SB-LR		24649	0
ETNSTCLF-LR		N142X7HK-1	0
ETNSTCLF-LR		N142X7HK-2	0
ETNSTCLF-LR		N142X7HK-3	0
ETNSTCLF-LR		N142X7HK-4	0
ETNSTCLF-LR		N142X7HK-5	0

PICKING LIST

SKI-NO: PWO/133497

CASE. 127123

SKIPPER

Printed: 13.11.2024 - 15:43

Operation number

Operation

Manufacturing area
PRODUCTION

Remaining quantity
6 stk

Note

SB-100-SB-LR

Stockloc / Details	Assignment	Quantity	Product
For operation number 200			
1-PALL-01	SSA/135436-1	✓ 6 stk	DB-2051 A24D20 * 6
1-PALL-01	41 stk		Intermediate element for xB-100-xB casted
For operation number 100			
1-PALL-01	SSA/135751-1	✓ 6 stk	ZCC-01015 VB9A / VB9A * 6
1-PALL-01	16 stk		Main element, Ball Valve DN100 PN16/3.1.B
For operation number 200			
1-PALL-03	SSA/135226-1	48 stk	ZOA-01075
1-PALL-03	346 stk		Bolt M16x55 mm DIN933 A4-80
1-PALL-06	SSA/135938-1	✓ 6 stk	SB-2019 569485 * 6 2440
1-PALL-06	18 stk		Bottom flange for SB-100-xx
1-PALL-06	SSA/136321-1	6 stk	DB-2031
1-PALL-06	30 stk		Top Flange for XB-100/200-XX
1-S-74	SSA/134001-1	6 stk	DB-2040
1-S-74	69 stk		Washer Ø46x2,5 Ø32,5 for XB-60/100/200-XX
1-T-01	SSA/135866-1	12 stk	DB-2035
1-T-01	462 stk		Gasket Ø47/32,5 X 20mm for XB-60/100/200-XX
1-T-01	SSA/136100-1	72 stk	ZOA-01036
1-T-01	664 stk		Nut M16 DIN934 A4
1-T-02	SSA/134518-1	72 stk	ZOA-01035
1-T-02	461 stk		Spring washer M16 DIN127B A4
1-T-02	SSA/136270-1	6 stk	DB-2036
1-T-02	93 stk		Nut M50 Brass for XB-60/100/200-XX
3-TK-11	SSA/133955-1	12 stk	ZZA-01127
3-TK-11	3296.5 stk		Metallized, silver polyester label, on roll

Additional parts

Product	Stockloc	Quantity
GVA-LR		6 stk
Sea Valve approval from Lloyds Register		

S.no. 24644
24645
24646
24647
24648
24649

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Web page: www.skipper.no

SKIPPER

C.O. reg no: NO-965378847-MVA

INSPECTION & TEST PROTOCOL FOR SEA VALVE

Document No: Q12-TI-0108-02 2023

SKIPPER sea valve Serial No.:	24644
Class certificate no.:	

Class stamp and certificate no. shall be stamped on main element and bottom flange (welding part)

Class: DNV ☐ ABS ☐ BV ☐ LR ☒ RINA ☐ NK ☐

Sea valve Type:

		<u>-SA</u>	<u>-SB</u>	<u>-LA</u>	<u>-LB</u>	<u>-F1</u>	<u>SLB</u>	<u>SJB</u>
<u>SB-60</u>		☐		☐		☐		
<u>DB-60</u>		☐		☐		☐		
<u>SB-100</u>		☐	☒	☐	☐			
<u>DB-100</u>		☐	☐	☐	☐			
<u>ETN- 100mm</u>							☐	☐
<u>SB-200-Echo</u>	☐							

Assembly, Items Serial No. / Batch No. / Charge No.:

	<u>Heat no</u> <u>Body</u>	<u>Heat no</u> <u>Cap</u>	<u>Skipper Part</u> <u>No.</u>
Valve Element:	VB9A	VB9A	ZCC-01015
Intermediate Element:		A24D20	DB-2051
Bottom Flange:		569485	SB-2019
Intermediate flange (for DB valves)			

Visual Inspection:

Performed without remarks: ☒

Pressure Test:

Working pressure 2 bar

Tested for 5 minutes with 5 bar pressure,

According to procedure no. 02-Q12_Pressure testing Gate_ball Valve

Performed without remarks: ☒

Date: S.T.

Sign.: 13/11-24

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		<u>-SA</u>	<u>-SB</u>	<u>-LA</u>	<u>-LB</u>	<u>-F1</u>	<u>SLB</u>	<u>SJB</u>
<u>SB-60</u>		☐		☐		☐		
<u>DB-60</u>		☐		☐		☐		
<u>SB-100</u>		☐	☒	☐	☐			
<u>DB-100</u>		☐	☐	☐	☐			
<u>ETN- 100mm</u>							☐	☐
<u>SB-200-Echo</u>	☐							

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Bottom Flange:		569485	SB-2019
Intermediate flange (for DB valves)			

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Performed without remarks: ☒

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Sea valve Type:

		<u>-SA</u>	<u>-SB</u>	<u>-LA</u>	<u>-LB</u>	<u>-F1</u>	<u>SLB</u>	<u>SJB</u>
<u>SB-60</u>		☐		☐		☐		
<u>DB-60</u>		☐		☐		☐		
<u>SB-100</u>		☐	☒	☐	☐			
<u>DB-100</u>		☐	☐	☐	☐			
<u>ETN- 100mm</u>							☐	☐
<u>SB-200-Echo</u>	☐							

Assembly, Items Serial No. / Batch No. / Charge No.:

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Valve Element:	VB9A	VB9A	ZCC-01015
Intermediate Element:		A24D20	DB-2051
Bottom Flange:		569485	SB-2019
Intermediate flange (for DB valves)			

Visual Inspection:

Performed without remarks: ☒

Pressure Test:

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Performed without remarks: ☒

Date: S.T.

Sign.: 13/11-24

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C.O. reg no: NO-965378847-MVA

INSPECTION & TEST PROTOCOL FOR SEA VALVE

Document No: Q12-TI-0108-02 2023

SKIPPER sea valve Serial No.:	24647
Class certificate no.:	

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Class: DNV ☐ ABS ☐ BV ☐ LR ☒ RINA ☐ NK ☐

Sea valve Type:

		<u>-SA</u>	<u>-SB</u>	<u>-LA</u>	<u>-LB</u>	<u>-F1</u>	<u>SLB</u>	<u>SJB</u>
<u>SB-60</u>		☐		☐		☐		
<u>DB-60</u>		☐		☐		☐		
<u>SB-100</u>		☐	☒	☐	☐			
<u>DB-100</u>		☐	☐	☐	☐			
<u>ETN- 100mm</u>							☐	☐
<u>SB-200-Echo</u>	☐							

Assembly, Items Serial No. / Batch No. / Charge No.:

	<u>Heat no</u> <u>Body</u>	<u>Heat no</u> <u>Cap</u>	<u>Skipper Part</u> <u>No.</u>
Valve Element:	VB9A	VB9A	ZCC-01015
Intermediate Element:		A24D20	DB-2051
Bottom Flange:		569485	SB-2019
Intermediate flange (for DB valves)			

Visual Inspection:

Performed without remarks: ☒

Pressure Test:

Working pressure 2 bar

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According to procedure no. 02-Q12_Pressure testing Gate_ball Valve

Performed without remarks: ☒

Date: S.T.

Sign.: 13/11-24

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C.O. reg no: NO-965378847-MVA

INSPECTION & TEST PROTOCOL FOR SEA VALVE

Document No: Q12-TI-0108-02 2023

SKIPPER sea valve Serial No.:	24648
Class certificate no.:	

Class stamp and certificate no. shall be stamped on main element and bottom flange (welding part)

Class: DNV ☐ ABS ☐ BV ☐ LR ☒ RINA ☐ NK ☐

Sea valve Type:

		<u>-SA</u>	<u>-SB</u>	<u>-LA</u>	<u>-LB</u>	<u>-F1</u>	<u>SLB</u>	<u>SJB</u>
<u>SB-60</u>		☐		☐		☐		
<u>DB-60</u>		☐		☐		☐		
<u>SB-100</u>		☐	☒	☐	☐			
<u>DB-100</u>		☐	☐	☐	☐			
<u>ETN- 100mm</u>							☐	☐
<u>SB-200-Echo</u>	☐							

Assembly, Items Serial No. / Batch No. / Charge No.:

	<u>Heat no</u> <u>Body</u>	<u>Heat no</u> <u>Cap</u>	<u>Skipper Part</u> <u>No.</u>
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Intermediate Element:		A24D20	DB-2051
Bottom Flange:		569485	SB-2019
Intermediate flange (for DB valves)			

Visual Inspection:

Performed without remarks: ☒

Pressure Test:

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INSPECTION & TEST PROTOCOL FOR SEA VALVE

Document No: Q12-TI-0108-02 2023

SKIPPER sea valve Serial No.:	24649
Class certificate no.:	

Class stamp and certificate no. shall be stamped on main element and bottom flange (welding part)

Class: DNV ☐ ABS ☐ BV ☐ LR ☒ RINA ☐ NK ☐

Sea valve Type:

		<u>-SA</u>	<u>-SB</u>	<u>-LA</u>	<u>-LB</u>	<u>-F1</u>	<u>SLB</u>	<u>SJB</u>
<u>SB-60</u>		☐		☐		☐		
<u>DB-60</u>		☐		☐		☐		
<u>SB-100</u>		☐	☒	☐	☐			
<u>DB-100</u>		☐	☐	☐	☐			
<u>ETN- 100mm</u>							☐	☐
<u>SB-200-Echo</u>	☐							

Assembly, Items Serial No. / Batch No. / Charge No.:

	<u>Heat no</u> <u>Body</u>	<u>Heat no</u> <u>Cap</u>	<u>Skipper Part</u> <u>No.</u>
Valve Element:	VB9A	VB9A	ZCC-01015
Intermediate Element:		A24D20	DB-2051
Bottom Flange:		569485	SB-2019
Intermediate flange (for DB valves)			

Visual Inspection:

Performed without remarks: ☒

Pressure Test:

Working pressure 2 bar
Tested for 5 minutes with 5 bar pressure,
According to procedure no. 02-Q12_Pressure testing Gate_ball Valve

Performed without remarks: ☒

Date: S.T.

Sign.: 13/11-24

PICKING LIST

SKIPPER

SKI-NO: PWO/128659

CASE. 128648

Printed: 13.11.2024 - 15:44

Operation number

Operation

Manufacturing area

PRODUCTION

Remaining quantity

5 stk

Note

ETNSTCLF-LR

Stockloc / Details	Assignment	Quantity	Product
For operation number 100			
1-PALL-08	SSA/134087-1	✓ 5 stk	ETNSTCLF N142x7HK
1-PALL-08	16 stk		Tank combo, steel low freq. w/ DNV approval, TC-2002
3-TK-11	SSA/133955-1	5 stk	ZZA-01127
3-TK-11	3296.5 stk		Metallized, silver polyester label, on roll

Additional parts

Product	Stockloc	Quantity
TA-LR		5 stk
Tank approval from LR		



SAMSVARSERKLÆRING

Leverandør / produsent:
Asen Dreierverksted AS

Sendt dato:
Ski 29/04-24

SKIPPER bestillings nr:	SKIPPER varenummer:	Revisjon:	Antall levert:
106799	TC-2002	05	30

Stål produsentens Heat / Charge nr:

Batch nr (år-uke-løpenummer):

Eks på batch nr: **13353**

1. Gland CH-295155

24171

2. Topp lokk CH-481571

Hvis samme varenummer blir levert mer enn en gang i uken, skal løpenummer endres fra 1 til 2 o.s.v.

3. Tønne /Rør CH-T16253

4. Inner ring CH-481571

Produsenten/leverandøren erklærer herved at produktet er laget i henhold til SKIPPERs seneste godkjente tegning, og i samsvar med SKIPPERs bestilling.

Dette skjemaet skal følge med varene som blir levert til SKIPPER, og evt. skannes og sendes til SKIPPER sammen med materialsertifikat.

Produktet er målt, kontrollert og godkjent av:

Stempel / Sign:

 **ASEN DREIERVERKSTED AS**