



Page 1 of 2
Certificate No. OSL2350251
First Date of Inspection 24 November 2023
Final Date of Inspection 24 November 2023
Office Oslo

Certificate for Machinery Equipment

Valves

This is to certify that the undersigned Surveyor to LLOYD'S REGISTER did at the request of the below client, 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	118443
Manufacturer	Jotron Skipper AS
Intended for	Warehouse
Customer Work Order No	118443 and 118977
Date of issue	27 November 2023
Quantity	2 Batch

Particulars

Description	Seavalves SB-100 X4 and SB-60X2
Size	60 mm and 100mm
Valve body material	EN.14408
Test pressure body	24
Test pressure seat	7
Design pressure	Work pressure 2 Bar Test pressure at Jotron Skipper 5 Bar

Identification Marks On Product

I.D number	LR OSL 2350251
Surveyors initials	-
Date of inspection	23.11.2023

Remarks

No remarks raised

Johannes Nordtveit
Lloyd's Register EMEA
A subsidiary of Lloyd's Register Group Limited



Page 2 of 2
Certificate No. OSL2350251
First Date of Inspection 24 November 2023
Final Date of Inspection 24 November 2023
Office Oslo

Description	Manufacturer Designation	Serial Number	IMO Number
Ball valves		23585 and 23586	0
Ball valves		235887, 23588, 23589 and 23590	0

PICKING LIST

SKI-NO: PWO/118443



SKIPPER

Printed: 22.11.2023 - 12:59

Operation number

Operation

Manufacturing area
PRODUCTION

Remaining quantity
4 stk

Note

SB-100-SB-LR

Stockloc / Details	Assignment	Quantity	Product
For operation number 100			
1-PALL-00 1-PALL-00	SSA/131281-1 50 stk	✓ 4 stk	DB-2051 2306 * 4 Intermediate element for xB-100-xB casted
1-PALL-01 1-PALL-01	SSA/129779-1 26 stk	✓ 4 stk	ZCC-01015 Main element, Ball Valve DN100 PN16/3.1.B
1-PALL-02 1-PALL-02	SSA/129244-1 17 stk	4 stk	DB-2036 Nut M50 Brass for XB-60/100/200-XX
1-PALL-03 1-PALL-03	SSA/131171-1 1836 stk	32 stk	ZOA-01075 Screw M16x55 mm DIN933 A4-80
1-PALL-06 1-PALL-06	SSA/130920-1 8 stk	✓ 4 stk	SB-2019 567560 * 4 3423 Bottom flange for SB-100-xx
1-PALL-07 1-PALL-07	SSA/131267-1 30 stk	4 stk	DB-2031 Top Flange for XB-100/200-XX
1-S-74 1-S-74	SSA/128969-1 68 stk	4 stk	DB-2040 Washer Ø46x2,5 Ø32,5 for XB-60/100/200-XX
1-T-01 1-T-01	SSA/130500-1 1417 stk	48 stk	ZOA-01036 Nut M16 DIN934 A4
1-T-01 1-T-01	SSA/130798-1 247 stk	8 stk	DB-2035 Gasket Ø47/32,5 X 20mm for XB-60/100/200-XX
1-T-02 1-T-02	SSA/129136-1 354 stk	20 stk	ZOA-01035 Spring washer M16 DIN127B A4
1-T-02 1-T-02	SSA/130207-1 1750 stk	28 stk	ZOA-01035 Spring washer M16 DIN127B A4
3-PRINT 3-PRINT	SSA/126430-1 1000 stk	8 stk	ZZA-01127 Metallised polyester label on roll

Additional parts

Product	Stockloc	Quantity
GVA-LR Sea Valve approval from Lloyds Register		4 stk

B / C

S.no. 23587 TC9A / TD9A
23588 TC9A / TD9A
23589 TC9A / TD9A
23590 TC9A / TD9A

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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.:	23587
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:	TC9A	TD9A	ZCC-01015
Intermediate Element:		2306	DB-2051
Bottom Flange:		567560	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: 22/11-23

Sign.: 

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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.:	23588
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:	TC9A	TD9A	ZCC-01015
Intermediate Element:		2306	DB-2051
Bottom Flange:		567560	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: 22/11-23

Sign.: B.T.

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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.:	23589
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:	TC9A	TD9A	ZCC-01015
Intermediate Element:		2306	DB-2051
Bottom Flange:		567560	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: 22/11-23

Sign.: 

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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.:	23590
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:	TC9A	TD9A	ZCC-01015
Intermediate Element:		2306	DB-2051
Bottom Flange:		567560	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: 22/11-23

Sign.: B.T.

PICKING LIST

SKI-NO: PWO/118977



SKIPPER

Printed: 23.11.2023 - 10:59

Operation number	Operation	Manufacturing area	Remaining quantity
		PRODUCTION	2 stk

Note

SB-60-SA-LR

Stockloc / Details	Assignment	Quantity	Product
For operation number 100			
1-PALL-06	SSA/131269-1	✓ 2 stk	DB-1031
1-PALL-06	30 stk		Top Flange for XB-60-XA
1-PALL-06	SSA/131282-1	✓ 2 stk	DB-1021
1-PALL-06	50 stk		Intermediate Element 60 mm
1-PALL-07	SSA/130884-1	✓ 2 stk	ZCC-02001
1-PALL-07	16 stk		Main element DN65 for XB-60-XA
1-PALL-07	SSA/130922-1	✓ 2 stk	SB-1022
1-PALL-07	24 stk		Bottom flange for SB-60-XA
1-S-24	SSA/131168-1	8 stk	ZOA-01023
1-S-24	796 stk		Nut M12 DIN934 A4
1-S-74	SSA/128969-1	2 stk	DB-2040
1-S-74	68 stk		Washer Ø46x2,5 Ø32,5 for XB-60/100/200-XX
1-T-01	SSA/129637-1	8 stk	ZOA-01034
1-T-01	356 stk		Screw M16x40 DIN933 A4-80
1-T-01	SSA/130798-1	4 stk	DB-2035
1-T-01	247 stk		Gasket Ø47/32,5 X 20mm for XB-60/100/200-XX
1-T-02	SSA/127824-1	4 stk	ZOA-01065
1-T-02	191 stk		Screw M12x40 mm DIN933 A4-80
1-T-02	SSA/130000-1	12 stk	ZOA-01066
1-T-02	1062 stk		Spring Washer M12,2 DIN 127B A4
1-T-02	SSA/130207-1	8 stk	ZOA-01035
1-T-02	1750 stk		Spring washer M16 DIN127B A4
1-T-02	SSA/130465-1	2 stk	DB-2036
1-T-02	27 stk		Nut M50 Brass for XB-60/100/200-XX
1-T-03	SSA/129656-1	8 stk	ZOA-01048
1-T-03	396 stk		Washer M12 DIN125 A4
3-E-04	SSA/126680-1	2 stk	ZZA-01127
3-E-04	4009 stk		Metallised polyester label on roll

Additional parts

Product	Stockloc	Quantity
GVA-LR		2 stk
Sea Valve approval from Lloyds Register		

S.no. 23585
23586

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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.:	23585
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>
SB-60		☒		☐		☐		
DB-60		☐		☐		☐		
SB-100		☐	☐	☐	☐			
DB-100		☐	☐	☐	☐			
ETN- 100mm							☐	☐
SB-200-Echo	☐							

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:	CP2F2		ZCC-02001
Intermediate Element:		2308	DB-1021
Bottom Flange:		564842	SB-1022
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: 23/11-23

Sign.: B.T.

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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.:	23586
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:	CP2F2		ZCC-02001
Intermediate Element:		2308	DB-1021
Bottom Flange:		564842	SB-1022
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 nc. 02-Q12_Pressure testing Gate_ball Valve

Performed without remarks: ☒

Date: 23/11-23

Sign.: 

HAITIMA CORPORATION

MATERIAL TEST CERTIFICATE

8F, No. 201, Tiding Blvd. Sec. 2,

Neihu Area Taipei 114 Taiwan

Page: 1

Date: Jun. 26, 2023

Messrs. MESON AB

Contract No.		P.O. IK20378								Invoice No.		HAF060823							
Description		VALVES								Specification		ACC. TO EN 10204 3.1		Type		EN 1.4408			
Item No.		Size								Quantity		Heat No.		Pressure Test		Finish			
														Shell		Seat			
1		#2052A DN65								25 PC		CP3K9		24 BAR		7 BAR		GOOD	
2												CP2F2		24 BAR		7 BAR		GOOD	
3												C916A		24 BAR		7 BAR		GOOD	
4												CP2C1		24 BAR		7 BAR		GOOD	
5												CP3PC		24 BAR		7 BAR		GOOD	
6												CP3PF		24 BAR		7 BAR		GOOD	
7												CP16M		24 BAR		7 BAR		GOOD	
Item No.		Spec.		Chemical Composition (%)								Mechanical Properties					Solution Heat Treatment		
				C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Y.S. Mpa	T.S. Mpa	Elongation %	Impact Test			
		Max.	0.070	1.500	1.500	0.040	0.030	20.00	2.50	12.00	0.50	-	640	-	-	1150 C			
		Min.	-	-	-	-	-	18.00	2.00	9.00	-	210	440	L: 30	60 J	1080 C			
1		0.056	1.035	0.893	0.025	0.005	18.183	2.127	9.094	0.240	297	560	51	204	1080				
2		0.049	1.079	0.994	0.031	0.004	18.414	2.251	9.213	0.217	328	567	51	195	1080				
3		0.063	0.926	1.013	0.023	0.007	18.251	2.084	9.123	0.186	309	580	55	204	1080				
4		0.061	0.957	1.054	0.031	0.007	18.084	2.202	9.098	0.219	321	595	52	204	1080				
5		0.055	0.854	0.986	0.022	0.006	18.182	2.225	9.095	0.187	317	562	48	200	1080				
6		0.060	0.969	0.838	0.031	0.009	18.474	2.043	9.265	0.198	294	513	58	195	1080				
7		0.050	0.842	0.949	0.024	0.006	18.184	2.226	9.167	0.220	315	558	47	195	1080				
Remarks: WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS.												Inspector		Q C Manager					
												Louis Liu		Hanson Chen					

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SKIPPER

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

INSPECTION & TEST PROTOCOL FOR SEA VALVE

Document No: Q12-TI-01C8-02 2023

SKIPPER sea valve Serial No.:	23585
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>
SB-60		☒		☐		☐		
DB-60		☐		☐		☐		
SB-100		☐	☐	☐	☐			
DB-100		☐	☐	☐	☐			
ETN- 100mm							☐	☐
SB-200-Echo	☐							

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:	CP2F2		ZCC-02001
Intermediate Element:		2308	DB-1021
Bottom Flange:		564842	SB-1022
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: 23/11-23

Sign.:

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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.:	23586
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:	CP2F2		ZCC-02001
Intermediate Element:		2308	DB-1021
Bottom Flange:		564842	SB-1022
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: 23/11-23

Sign.:

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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.:	23587
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:

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

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:	TC9A	TD9A	ZCC-01015
Intermediate Element:		2306	DB-2051
Bottom Flange:		567560	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: 22/11-23

Sign.: 

Lloyd's Register EMEA

Johannes Nordtveit
Oslo Office



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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.:	23588
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:

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

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:	TC9A	TD9A	ZCC-01015
Intermediate Element:		2306	DB-2051
Bottom Flange:		567560	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: 22/11-23

Sign.: B.T.



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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.:	23589
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:

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

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:	TC9A	TD9A	ZCC-01015
Intermediate Element:		2306	DB-2051
Bottom Flange:		567560	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: 22/11-23

Sign.: 

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

INSPECTION & TEST PROTOCOL FOR SEA VALVE

Document No: Q12-TI-0106-02 2023

SKIPPER sea valve Serial No.:	23590
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:	TC9A	TD9A	ZCC-01015
Intermediate Element:		2306	DB-2051
Bottom Flange:		567560	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: 22/11-23

Sign.: B.T.