

**INTERNATIONAL CONVENTION FOR THE CONTROL AND MANAGEMENT OF SHIPS'
BALLAST WATER AND SEDIMENTS, 2004
CHECK LIST**

Initial Survey^{1*}

Annual / Intermediate Survey*

Renewal Survey*

Ship Name	IMO Number	Distinctive Number or Letters	Port of Registry	Type of Ship	Gross Tonnage
BROTHER 36	8743531	3FHN5	PANAMA	OTHER CARGO	2930

Owner / Operator: STD SHIPPING COMPANY LIMITED

Date of Survey / Commenced: 06 /05 /2025

(Day/Month/Year)

Completed 13 /05 /2025

(Day/Month/Year)

Name / Number of Surveyor: Dao Tien Phong

Place of Survey: Hai Phong

Date of validity for CSSC Cert

at time of BWM survey: 18 /03 /2028

(Day/Month/Year)

Date of validity for IOPP Cert

at time of BWM survey: 18 /03 /2028

(Day/Month/Year)

	YE S	NO	N/A
1. Are discharges of ballast water only conducted in accordance with the regulations of the BWM Convention (regulation A-2)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Has the ship been provided and implemented a flag-state BWMP approved by the Administration?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Has an officer been nominated for ballast water management on board the ship, responsible for either the exchange method or the BWMS Treatment Plant?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1 Has both the BWM Plan and a training program, along with Designated Officer been incorporated into the Safety Management System (SMS)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Does the ship maintain a BW Record Book containing at least the information specified in appendix II of the BWM Convention, for a minimum period of two years after the last entry has been made (regulation B-2)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.1 Does the ship maintain a BW Electronic Record Book as alternative method to a hard copy record book (if applicable). Resolution MEPC.372 (80).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Does the ship either comply with:			
5.1 Ballast water exchange standard (regulation D-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

^{1*} Select as appropriate.

	5.1. Sequential method	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1				
	5.1. Flow-through method	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2				
	5.1. Dilution method	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3				
		YE S	NO	N/A
5.2	Ballast water performance standard (regulation D-2) in accordance with regulation B-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.3	The ship is subject to regulation D-4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.4	Other approach in accordance with regulation D-1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Prior to undertaking ballast water exchange, are all the safety aspects associated with the ballast water exchange method or methods used onboard been considered?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.1	The safety margins for stability and strength contained in allowable seagoing conditions, as specified in the approved trim and stability booklet and the loading manual relevant to individual types of ships?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.2	The ballast pumping and piping system has taken into account the number of ballast pumps and their capacities, size and arrangements of ballast water tanks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Availability and capacity of tank vents and overflow arrangements, for the flow through method (if used)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.4	The availability and capacity of tank overflow points, prevention of under and over pressurization of the ballast tanks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.5	Stability which is to be maintained at all times?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.6	Longitudinal stress, and where applicable torsional stress values?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.7	Sloshing action in the partially filled tank to be carried out in favorable sea and swell conditions such that the risk of structural damage is minimized?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.8	Wave-induced hull vibrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.9	Forward and aft draughts and trim, with particular reference to bridge visibility (SOLAS V/22)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.10	Propeller immersion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Does the ship has suitably trained personnel onboard, familiar with their duties in the implementation of ballast water management particular to the ship and ship's BWMP (regulation B-6) ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	Does the ship already installed and certified a ballast water management system standard (regulation D-2). If not please answer the following questions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.1	Has a commissioning test been conducted to validate the installation of any ballast water management system by demonstrating that its mechanical, physical, chemical and biological processes are working properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- 8.2 Does the laboratory used for detailed analysis (if required) have been accepted by PMDS Class or approved by any other authorized Recognized Organization by the flag?
- 8.3 Does the laboratory used for the detailed analysis is independent to the BWMS manufacturer or supplier installed onboard?
- 8.4 Does the indicative analysis test indicate that the discharge samples do not exceed the D-2 standard for the size classes analyzed namely $\geq 50 \mu\text{m}$ and $\geq 10 \mu\text{m}$ to $< 50 \mu\text{m}$ and the self-monitoring equipment indicates correct operation.
- 8.5 Does the indicative analysis test show non-complying results?

		YES	NO	N/A
9	Is there any evidence that the ship ballast water exchange is conducted at least 200 nm from the nearest land and in water at least 200 m in depth, or in cases where the ship is unable, at least 50 nm from the nearest land and in water at least 200 m in depth, or in a designated ballast water exchange area and is required to be conducted in accordance with regulation B-4?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Is the sediment removed and properly disposed from spaces designated to carry ballast water in accordance with the provisions of the ship's BWMP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Is the condition of the ship, its equipment, systems and processes maintained to conform with the BWM Convention (regulation E-1.9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	Is the ballast water management on board the ship in accordance with the operations outlined in the ship's BWMP? In particular:			
13	12. Is the crew following specific operational or safety restrictions associated with safe tank entry, if needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	12. Is the crew managing ballast water sediments in accordance with the BWMP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	12. Are designated officers following their duties as set out in the BWMP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	12. Are the record-keeping requirements in accordance with the BWMP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	13. Is there any In-tank specific sampling point? This sampling may be taken via sounding, air pipes and manholes by using pumps, sampling bottles or other water containers. Samples may also be taken from the discharge line.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	14. Are Ballast water tanks and their internal structure designed to avoid the accumulation of sediment in a ballast tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ballast Water Management Systems

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|---|--|--------------------------|--------------------------|--------------------------|
| 1 | Does the ballast water management systems meet the standard as set out in regulation D-2 for performance standard of the BWM Convention? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | Is the BWMS and associated equipment in good working order, (this could include filters, pumps, and back flushing equipment)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | Has the ballast water management systems been approved by the Administration, taking into account the Guidelines (G8)? Please include a copy of such approval. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | Does the operation of ballast water management systems impair the health and safety of the ship or personnel, or should it present any unacceptable harm to the environment or to public health? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | Has the manufacturer of the equipment submitted information and duly kept on board regarding the design, construction, operation and functioning of the ballast water management system? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | Is the ballast water treatment equipment fitted in locations where flammable atmospheres may be present? If so, must comply with the relevant safety regulations for such spaces. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | Is the BWMS provided with sampling facilities so arranged in order to collect representative samples of the ship's ballast water? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

		YES	NO	N/A
8.	Is the BWMS has been calibrated in all its components that take measurement and a calibration Certificate has been place onboard for inspection purpose?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	The accuracy check/calibration of BWMS components that take measurements should be performed in accordance with the calibration procedure at intervals specified in the manufacturer's instructions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1 0	Ballast Water Management Systems (Describe): Model / Type / Capacity			

Observations

1

FINAL RECOMMENDATION :

It is recommended that:

A Full-Term International Ballast Water Management Certificate may be issued valid for a period of five (5) years

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No. Full Term International Ballast Water Management to be issued until deficiencies are closed

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The Existing International Ballast Water Management Certificate No.: **BWMC-021204** has been endorsed

at **Hai Phong**, 13 of 05 of 2025
: _____ (Place of endorsement) _____ (Day) _____ (Month) _____ (Year)

I have issued the Interim /Conditional⁽¹⁾ International Ballast Water Management Certificate No.: _____

at: _____, _____ of _____ of _____ of _____
(Place of issue of Interim IBWMC) _____ (Day) _____ (Month) _____ (Year)

Valid until: _____ of _____ of _____
(Day) _____ (Month) _____ (Year)

THIS IS TO CERTIFY THAT: This check list is correct in all respects.



Name and Signature of duly authorized Surveyor
issuing the Interim Statement of Compliance
By: Panama Maritime Documentation Services Inc.