

DOCUMENT OF COMPLIANCE FOR THE CARRIAGE OF DANGEROUS GOODS

Issued in pursuance of the requirement of regulation II-2/19.4 of the International Convention for Safety of Life at Sea, 1974, as amended under the authority of the Government of

THE REPUBLIC OF SINGAPORE

by **DNV GL**

Particulars of Ship

Name of Ship:	WAN HAI 322
Distinctive Number or Letters:	9V6492
Port of Registry:	SINGAPORE
Type of Ship:	Container ship
Date on which keel was laid:	2020-01-20
IMO Number:	9871452

This is to certify:

- That the construction and equipment of the above mentioned ship was found to comply with the provisions of regulation II-2/19 of the International Convention for the Safety of Life at Sea, 1974, as amended.
- That the ship is suitable for the carriage of those classes of dangerous goods specified in the appendix hereto, subject to any provisions in the IMDG Code for individual substances, materials or articles also being complied with.

This document is valid until **2025-10-15**.

Issued at **Hamburg, Germany** on **2020-10-26**



for **DNV GL**

This document is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication can be obtained from trust.dnvgl.com by using the Unique Tracking Number (UTN): n1440263-10-ahf and ID: 40444

Christian Mains
Head of Section

There are no special requirements in the above-mentioned regulation II-2/19 for the carriage of dangerous goods of classes 6.2 and 7, and for the carriage of dangerous goods in limited quantities, as required in chapter 3.4 of the IMDG Code, and excepted quantities, as required in chapter 3.5 of the IMDG Code.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD, and any claims made against DNV GL based upon alleged defective services provided by DNV GL to designers, yards, manufacturers or other stakeholders in the newbuilding process shall under any circumstance be time-barred if made later than 12 months from delivery of the vessel. Based upon written request to the DNV GL legal entity which has issued this document, a higher limitation of liability may be agreed on a case-by-case basis.



Endorsement where the renewal survey has been completed and regulation I/14(d) applies *ERC*

The ship complies with the relevant requirements of the Convention, and this Certificate shall, in accordance with regulation I/14(d) of the Convention, be accepted as valid until

Place: Date:

Signature:

Stamp _____ Surveyor, DNV GL

Endorsement to extend the validity of the Certificate until reaching the port of survey or for a period of grace where regulation I/14(e) or I/14(f) applies *EEV*

This Certificate shall, in accordance with regulation I/14(e) or I/14(f)¹ of the Convention, be accepted as valid until

Place: Date:

Signature:

Stamp _____ Surveyor, DNV GL

Endorsement for advancement of anniversary date where regulation I/14(h) applies *EAA*

In accordance with regulation I/14(h) of the Convention, the new anniversary date is

Place: Date:

Signature:

Stamp _____ Surveyor, DNV GL

In accordance with regulation I/14(h) of the Convention, the new anniversary date is

Place: Date:

Signature:

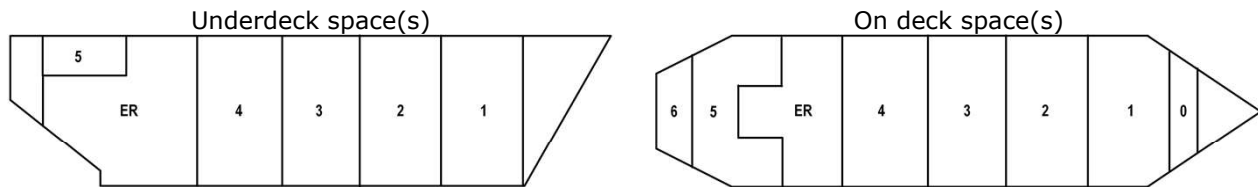
Stamp _____ Surveyor, DNV GL

¹ Delete as appropriate.

APPENDIX

Sketch of the vessel

Cargo spaces indicated in the sketch are corresponding with the table(s) hereafter



Packaged goods

Class	Underdeck space(s)					On deck space(s)			
	1	2, 3	4	5		ER ⁵⁾	0 to 4	5 ⁶⁾	6
1.1 to 1.6	X	X	X	X		X	P	X	P
1.4S	P	P	P	P		P	P	P	P
2.1 hydrogen and hydrogen mixtures exclusively	X	X	X	X		P	P	P	P
2.1 other than hydrogen and hydrogen mixtures	X	X	X	X		P	P	P	P
2.2	P	P	P	X		P	P	P	P
2.3 flammable	X	X	X	X		P	P	P	P
2.3 non-flammable	X	X	X	X		P	P	P	P
3 FP < 23°C	X	X	X	X		P	P	P	P
3 23°C ≤ FP ≤ 60°C	P	P	P	X		P	P	P	P
4.1	P ¹⁾	P ¹⁾	P ¹⁾	X		P	P	P	P
4.2	P ¹⁾	P ¹⁾	P ¹⁾	X		P	P	P	P
4.3 liquids	C ²⁾	C ²⁾	C ²⁾	X		P	P	P	P
4.3 solids	C	C	C	X		P	P	P	P
5.1	P ¹⁾	P ¹⁾	P ¹⁾	P ^{1) 3)}		P	P	P	P
5.2	X	X	X	X		P	P	P	P
6.1 liquids FP < 23°C	X	X	X	X		P	P	P	P
6.1 liquids 23°C ≤ FP ≤ 60°C	X	X	X	X		P	P	P	P
6.1 liquids FP > 60°C	X	X	X	X		P	P	P	P
6.1 solids	P ¹⁾	P ¹⁾	P ¹⁾	P ¹⁾		P	P	P	P
8 liquids FP < 23°C	X	X	X	X		P	P	P	P
8 liquids 23°C ≤ FP ≤ 60°C	C ⁴⁾	C ⁴⁾	C ⁴⁾	X		P	P	P	P
8 liquids FP > 60°C	P ⁴⁾	P ⁴⁾	P ⁴⁾	P ⁴⁾		P	P	P	P
8 solids	P	P	P	P		P	P	P	P
9 goods evolving flammable vapour exclusively	X	X	X	X		P	P	P	P
9 other than goods evolving flammable vapour	P ¹⁾	P ¹⁾	P ¹⁾	P ¹⁾		P	P	P	P

P Indicates PACKAGED GOODS PERMITTED

C Indicates IN CLOSED FREIGHT CONTAINERS OR PORTABLE TANKS PERMITTED

X Indicates NOT PERMITTED

Remarks:

1) If stowage in a "mechanically ventilated space" is stipulated by the IMDG Code, in closed freight containers.

2) Except goods having a flashpoint less than 23°C listed in the IMDG Code.

3) Except goods for which stowage "protected from sources of heat" is stipulated by the IMDG Code.

4) Except goods having a subsidiary risk class 6.1.

5) Stowage applicable between frame no. 28 and 42, center part.

6) Stowage excluded above machinery spaces between frame no. 28 and 42, center part.

Solid bulk cargoes

Bulk cargo shipping name	Class	Underdeck space(s)					
ALUMINIUM FERROSILICON POWDER UN 1395	4.3						
ALUMINIUM NITRATE UN 1438	5.1						
ALUMINIUM SILICON POWDER, UNCOATED UN 1398	4.3						
ALUMINIUM SMELTING BY-PRODUCTS or REMELTING BY-PRODUCTS UN 3170	4.3						
AMMONIUM NITRATE BASED FERTILIZER UN 2067	5.1						
AMMONIUM NITRATE BASED FERTILIZER UN 2071	9						
AMMONIUM NITRATE UN 1942	5.1						
BARIUM NITRATE UN 1446	5.1						
CALCIUM NITRATE UN 1454	5.1						
CASTOR BEANS UN 2969							
COPRA (dry) UN 1363	4.2						
FERROSILICON UN 1408	4.3						
FERROUS METAL BORING, SHAVINGS, TURNINGS or CUTTINGS UN 2793	4.2						
FISHMEAL (FISHSCRAP), STABILIZED UN 2216	9						
IRON OXIDE, SPENT or IRON SPONGE, SPENT UN 1376	4.2						
LEAD NITRATE UN 1469	5.1						
MAGNESIUM NITRATE UN 1474	5.1						
METAL SULPHIDE CONCENTRATES, CORROSIVE UN 1759	8						
METAL SULPHIDE CONCENTRATES, SELF-HEATING UN 3190	4.2						
POTASSIUM NITRATE UN 1486	5.1						
SEED CAKE UN 2217	4.2						
SEED CAKE, containing vegetable oil UN 1386 (a)	4.2						
SEED CAKE, containing vegetable oil UN 1386 (b) mechanically expelled seeds	4.2						
SEED CAKE, containing vegetable oil UN 1386 (b) solvent extracted seeds	4.2						
SODIUM NITRATE UN 1498	5.1						
SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE UN 1499	5.1						
SULPHUR UN 1350	4.1						
ZINC ASHES UN 1435	4.3						

B Indicates SOLID BULK CARGOES PERMITTED

X Indicates NOT PERMITTED

Remarks:

List of equipment

According to the provisions of regulation II-2/19

Para	Requirement	Equipment provided
1.1	Compliance with reg. 10.7.2	Hold 1 to 5: Fixed CO2 system
3.1.1	Immediate supply of water	Remote start of the main fire pumps from the navigation bridge
3.1.2	Quantity of water and arrangement of hydrants	Provided
3.1.3	Water cooling	Not provided
3.1.4	Cargo hold flooding	Not provided
3.2	Sources of ignition	Explosion protection of electrical equipment Not provided
3.3	Detection system	Hold 1 to 5: Sample extraction smoke detection and alarm system
3.4.1	Mechanical ventilation	Hold 1 to 5: Two air changes/h (Exhaust from upper and lower part)
3.4.2	Safety of fans	Not provided
	Wire mesh guards	Not provided
3.4.3	Natural ventilation	Not applicable
3.5	Bilge pumping	Not provided
3.6.1	Full protective clothing	Four sets
3.6.2	Additional self-contained breathing apparatuses	Two sets in addition to fire-fighter's outfits
3.7	Portable fire extinguishers	Additional total of 12 kg dry powder
3.8	Insulation of machinery space boundaries	Hold 5: Located above engine room (deck(s) not insulated) On deck space between frame no. 28 and 42, center part: Located above engine room (deck(s) insulated to A-60 standard)
3.9	Water spraying system	Not applicable
3.10	Separation of ro-ro spaces	Not applicable