



Report No.

# Indian Register of Shipping

## DATA REPORT CARRIAGE OF DANGEROUS/SOLID BULK CARGOES\* (Mark "X" for "Yes", "-" for No. "N" for Not Applicable)

Application: This report to be used for:  
Certificate of Compliance, International Maritime Solid Bulk cargoes code (IMSBC Code)  
Certificate of Compliance, SOLAS II-2, Reg. 19/ 54 for Dangerous Goods.

Name of Ship		IR No.	IMO No.
Class Notation		Flag	
<b>1. ARRANGEMENT OF CARGO SPACES</b>			
1.1	No. of cargo holds :	Total Volume m <sup>3</sup>	
Specify cargo holds intended for dangerous goods/solid bulk cargoes*			
<input type="checkbox"/> Segregation arrangements are in order for different grades of cargo if applicable			
1.2.	Type of division between cargo holds and		
a.	Machinery spaces:	b.	Accommodation spaces:
<input type="checkbox"/> Steel bulkhead		<input type="checkbox"/> Steel bulkhead/deck	
<input type="checkbox"/> A-60 division		<input type="checkbox"/> A-60 division	
<input type="checkbox"/> Cofferdam separation		<input type="checkbox"/> Cofferdam separation	
<input type="checkbox"/> No common boundary		<input type="checkbox"/> No common boundary	
1.3	Location of fuel and lube oil tanks relative to cargo spaces for dangerous goods.		
<input type="checkbox"/> No common boundaries cargo holds: (Nos. )			
<input type="checkbox"/> Cargo holds : (Nos. ) have adjoining fuel/lube oil tanks			
Are adjoining fuel oil tanks fitted with heating coils? : Yes/No			
If yes, is temperature indication provided? Give details :			

\* Delete as appropriate

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## 2. VENTILATION OF CARGO SPACES

### 2.1 Type of Ventilation

Natural ventilation only

Mechanical ventilation by:

Portable fans

Fixed system

Workspaces adjacent to the cargo spaces adequately ventilated

Direct blowing of air in to the body of cargo avoided

### 2.2 Particulars of mechanical ventilation :

Number of portable fan, total :

Per hold :

Capacity per fan m<sup>3</sup>/h:

Type of drive

Electric

Hydraulic

Explosion proof standard of electric motors, if used :

Non sparking material of impeller :- Yes/No

Number of fixed fans : Capacity per fan, m<sup>3</sup>/hr

Make and type of fans :

### 2.3 Ventilation inlets and outlets :

Means of closing inlets and outlets :

Height of ventilation outlets above deck, mtr:

Minimum distance from opening into machinery and accommodation spaces, mtr:

Are inlets and outlets fitted with spark arresting screens? Yes/No

2.4 Are above ventilation arrangements working satisfactory? Yes/No

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## 3. INERTING OF CARGO SPACES

3.1 Type of system (Details) :

- Membrane separation system, capacity, Make and type
- Inert gas generator, capacity, Make and type :

## 4. SEPARATE BILGE SYSTEM FOR CARGO SPACES

4.1 System arrangement:

- Separate bilge system additional to main
- Main bilge system, for cargo holds independent for machinery space bilge system
- Bilge lines/Bilge wells/strainer plates and sounding pipes in cargo spaces in good condition

4.2 Particulars of bilge pumps:

Eductors, No                      Capacity each m<sup>3</sup>/hr

Pumps, No.                      Capacity each m<sup>3</sup>/hr

State location of pumps/eductors:

4.3 Diameter of branch suction lines, mm :

4.4 Diameter of main bilge line mm :

4.5 Bilge pumping arrangements working satisfactorily ?      Yes/No

## 5. FIRE EXTINGUISHING

5.1 Starting arrangements for fire pumps :

- Remote start of emergency fire pump from location :

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<input type="checkbox"/>	Continuously pressurized fire main and automatic starting of fire pump at Low pressure.
5.2	Arrangement and capacity of water supply
<input type="checkbox"/>	Arrangement of hydrants and capacity of water supply sufficient for simultaneous use of 2/4* nozzles
5.3	Fire extinguishing in cargo spaces
<input type="checkbox"/>	CO2
<input type="checkbox"/>	Water spray
<input type="checkbox"/>	Other (specify)
5.4	<input type="checkbox"/> Fire extinguishing arrangements given in 5.1/ 5.2/ 5.3* is / are* working satisfactorily ?
<b>6.</b>	<b>ELECTRICAL INSTALLATIONS IN CARGO SPACES</b>
6.1	Electrical Equipment/cables in cargo holds. : fitted/None fitted*
<input type="checkbox"/>	Condition found satisfactory
<input type="checkbox"/>	Arrangements provided for isolating electrical installation including fuses in cargo holds when cargo is carried.
<input type="checkbox"/>	Certified safe electrical equipment fitted
	Specify equipment
	Certification standard (temp. class explosion group)
6.2.	Installation in separate bilge pump room
<input type="checkbox"/>	Certified safe electrical lighting      Temperature class      Apparatus group:
<input type="checkbox"/>	Explosion proof electrical motors      Temperature class      Apparatus group:
<input type="checkbox"/>	Other electrical equipment, specify type and certification standard

\* Delete as appropriate

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6.3 Electrical installations in spaces for self unloading system :

- Certified safe lighting installation Give certification standard :
- Certified electric motors Give certification standard :
- Non certified electric motors with power supply interlocked with ventilation

## 7. INSTRUMENTAION

### 7.1 Temperature detection in cargo holds:

Portable instruments provided: Yes/No

(If Yes, Describe type of portable instrument):

And describe method of positioning sensors

- Measurements recorded regularly
- Fixed sensors, describe locations:

### 7.2 Gas measuring instruments

7.2.1 Portable equipment provided: Yes/No

Portable Gas measuring equipments (minimum of two each) found suitable for:

- Oxygen  Methane/Hydrogen
- Toxic gases, specify for which gases (e.g. CO, CO<sub>2</sub>, phosphine, arsine)

7.2.2  Fixed gas detection system Specify type:

And for which gases:

### 7.3 Acidity (ph) of bilge water

- Measurement recorded regularly

Type of equipment used :

Means for checking bilge water :

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7.4 Is it possible to carry out measurement while cargo is being loaded and during the voyage without entry to cargo spaces?

7.5  All instruments calibrated

## **8. PERSONNEL PROTECTION**

8.1 Total Number of sets of full protective chemical resistance clothing provided :

8.2 Total Number of self contained breathing apparatus provided (incl. Fireman outfit) :

8.3  All sources of ignition eliminated in the vicinity of cargo spaces.

8.4  Arrangements made for posting of appropriate safety notices depending upon type of cargo

## **9. SELF UNLOADING SYSTEM**

9.1 Type of System

Conveyor belt under holds with bucket elevator/vertical screw conveyor

Closed pneumatic system

Closed chain conveyor holds.

Closed screw conveyors under holds.

Scrapper conveyor inside cargo hold with vertical bucket elevator/screw conveyor

Closed type screw conveyors located inside cargo holds

Other type specify details :

9.2 Outfitting of classed spaces for self unloading system

Mechanical ventilation, capacity (number of air changes per hour)

Fire extinguishing by  CO<sub>2</sub>     Water Spray     Fire hoses

Emergency stop for conveyor belts located

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9.3 Miscellaneous

- Conveyor belts of antistatic material used
- Arrangements for easy cleaning ( e.g. by water flushing provided)

**10. GENERAL CONDITION OF ALL CARGO SPACES.**

- All cargo spaces examined and found in satisfactory condition.

**NB :** Deficiencies found and recorded as recommendations :

Place :

Date :

Surveyor