



# Pre-purchase condition survey

Marine Consultancy Services

Report for:  
M.V. DOÑA MERCEDES

LR No: 9772888

Section 1:	Document Control Sheet	
<b>Status:</b>		
Preliminary:	<input checked="" type="checkbox"/>	Final report:
Restricted:	<input type="checkbox"/>	Unrestricted:
Revision:	02	Date:
		10/12/2017
<b>Author(s):</b>		<b>Approved for issue:</b>
Signed:		Signed:
Name: Z. Z. Qiu		Name:
LR office: Guangzhou		LR office:
<b>Client details:</b>		<b>Client contact:</b>
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<b>Distribution:</b>		
Name/copy no:	<input type="checkbox"/>	
Client/copy no. 1	<input type="checkbox"/>	
LR (office)/copy no. 2	<input type="checkbox"/>	

<b>Section 2: Certificate</b>	
<b>Project: DOÑA MERCEDES LR No. 9772888</b> <b>Client: Ministry of Finance, Government of Trinidad and Tobago</b>	<b>Certificate no:</b> <b>Office: Guangzhou</b> <b>Date: 10/12/2017</b>
<b>Inspection dates:</b>	<b>First: 04/12/2017</b> <b>Final: 05/12/2017</b>

This Certificate issued to certify that the undersigned Surveyor(s), did at their request and with the consent of the Owner's representative, attend the "DOÑA MERCEDES" with LR No. 9772888 of gross tons of 2796 and port of registry PORT VILA on 04-05/12/2017 while the vessel was afloat at Guangdong Bonny Fair Heavy Industry Ltd. at Guangzhou for the purpose of reporting on the condition of the hull, holds, decks, machinery, accommodation, life-saving, fire-fighting and navigation equipment.

In as far as the Vessel has been seen and examined it is my opinion that the Vessel is in good condition, subject to the comments given in section 3.

Signed .....   Dated ..... 10/12/2017 .....

Surveyor to Lloyd's Register Classification Society (China) Co., Ltd.

This report is a factual statement of the condition of the Vessel as found and no responsibility is accepted as to the suitability of the Vessel for its intended service.



## Section 3: Summary of survey findings

### Hull

The vessel was a Catamaran RoRo passenger ferry built according to LR Rules and Regulations for Classification of Special Service Craft for service in waters where the range to refuge is 150 nautical miles or less. No test for the ship equipment was carried out this time.

The vessel just completed all the surveys and inspections and prepared for the final delivery with outstanding items mainly include the documents needed to be provided from owner side.

Details of classification notation are as follows:

✳100A1 SSC Passenger Ship, Catamaran, LDC, G3

[✳] LMC

### Tanks/holds:

The vessel have following void spaces:

F. P.(P&S)

No.2 Void Spaces(P&S)

No.3 Void Spaces(P&S)

No.4 Void Spaces(P&S)

No.5 Void Spaces(P&S)

Engine Room(P&S)

A.P. ( P&S)

All above void spaces were examined and found in good condition.



The vessel has following Tanks and no inspection was carried out because all of them were bolted during attendance.

TANK CAPACITIES			
TANK NO.	DESCRIPTION	VOLUME (L)	WEIGHT (t)
1P	FWD F.O. TANK	14,000	11.8
1S	FWD F.O. TANK	14,000	11.8
2P	MID F.O. TANK	29,000	24.4
2S	MID F.O. TANK	29,000	24.4
3S	F.W TANK	13,000	13.0
4P	GREY WATER TANK	5,000	5.0
4S	GREY WATER TANK	5,000	5.0
5P	F.O. DAY TANK	31,000	26.0
5S	F.O. DAY TANK	31,000	26.0
6P	CLEAN LUBE OIL TANK	3,500	3.2
6S	FUEL OVERFLOW TANK	3,500	3.0
7P	DIRTY OIL TANK	3,500	3.2
7S	BILGE WATER TANK	3,500	3.5

#### Accommodation:

Vessel is designed for 10 crew on board. It has one Captain cabin and one VIP cabin on sun deck after the navigation bridge. It also has 4 cabins for two crew each and one cabin for 4 crew. Related washrooms and one mess room are also provided.

Vessel was designed for PASSENGERS (TOTAL) 672  
BUSINESS CLASS (STARBOARD) 75 on Upper deck  
TOURIST CLASS (STARBOARD AFT) 182 on upper deck  
TOURIST CLASS (PORT AFT) 194 on upper deck  
TOURIST CLASS (PORT FWD) 125 on upper deck  
SUN DECK 96 on sundeck

Car deck on main deck designed for 94 cars

### Deck outfit and life-saving equipment:

Vessel's Safety Equipment / Fire Safety / Radio and Communications Equipment / Navigation Equipment is to be certified for a Vanuatu Registered Vessel complying with Australian Uniform Shipping Laws Code 1989 Class 1C Regulations with The following exemptions have been issued by Vanuatu Maritime Services Ltd.:

1.1 Crew Accommodation below main deck ventilation duct passing through main deck Ro-Ro space shall maintain fire integrity as upper deck, unless otherwise, fire dampers being provided, as same fire integrity of its deck and operable below main deck and above upper deck.

1.2 All ventilation duct penetrations shall be same fire integrity of its bulkhead and deck.

1.3 Upper deck starboard side aft lift trunk shall be protected by A30 boundary.

1.4 Port and starboard inboard staircase at sundeck, in way of frame 32 to 35, boundary to captain's cabin / toilet & VIP room / toilet shall be A15 class protection.

1.5 Port inboard staircase at upper deck, in way of frame 35 to 39, where lead down from wheelhouse, boundary to passenger area shall be A30 class protection. Its boundary door shall be same fire integrity and self-closing door.

1.6 Port and starboard outboard staircase at upper deck, in way of frame 34 to 37, boundary to passenger area shall be A15 class protection. The boundary door shall be same fire integrity and self-closing door.

1.7 A-60 class door at port and starboard side upper deck in way of frame 53 shall be self-closing door.

1.8 A-15 Class boundary shall be provided at port and starboard upper deck in way of frame 5 to protect the passenger area. The boundary door shall be same fire integrity and self-closing door.

1.9 Main deck staircase door, at port and starboard side in way of frame 3 leading to switchboard rooms, shall be self-closing door.

1.10 Main deck port and starboard staircase fire doors in way of frame 34 and 39 shall be same fire integrity as the boundary and self-closing.

1.11 A-30 Class bulkhead and doors shall be provided port and starboard frame 15 to separate engine room and corridor.

1.12 Emergency generator room located on port side main deck forward of the collision bulkhead is not in accordance with USL Code Section 9 Clause 29.2.1.

1.13 There shall be provided with six (6) sets of parachute distress rockets and four (4) sets of red hand flares and two (2) sets of hand held orange smoke signals.

1.14 An additional portable fire extinguisher shall be provided on each deck of passenger space for every 10 meters.

1.15 A fire smothering blanket shall be provided in galley, if galley is identified.

1.16 Firemen's outfits, two together with an additional outfit for each 30 meters in length, shall comply with Appendix H of the Code. Breathing apparatus and air hoses shall be arranged.

1.17 Should the Ro-Ro deck to consider as cargo space that to provide fixed fire extinguishing installation complying with Appendix E of the Code subject to Administration decision.

1.18 The compliance with the above damage stability requirements is also subject to the requirements for sliding doors to be fitted in the watertight bulkheads under freeboard deck.



### Mooring equipment:

One windlass of electric hydraulic one provided above port side upper deck

Two anchors of with 790kgs were provided on board and anchor chain has 25.6m long with dia.30mm

### Cargo handling system and gear:

Not applicable

### Main machinery:

Four main engine

MAIN ENGINES 4x MTU 16V 4000 M70  
(2240kW @ 2000RPM)

Maker: MTU Friedrichshafen GmbH.

### Auxiliary machinery :

Maker: Cummins X2

Model/type: QSB7-DM power/speed:164KwX1500XRPM

## Safety equipment:

### Details of life-saving appliances

	Requirement	Total number provided, capacity and type
• Total number of persons for which life-saving appliances are provided:	682	900
2 Liferrafts and rescue boats:		
2.1 Inflatable coastal liferafts		900=6x150
(Liferafts had been serviced recently and kept in the shipyard store) only two Liferafts from other vessels were put on board for last time sea trail purpose)		
2.2 Non-SOLAS rescue boat	1 Required	1 Provided
3 Buoyant appliances:		
3.1 Dinghy	Not Required	
3.2 Buoyant appliances/floats	Not Required	
3.3 Lifebuoys:		
3.3.1 Lifebuoys with light	4	4 Provided
3.3.2 Lifebuoys with light and smoke	2	2 Provided
3.3.3 Lifebuoys with buoyant line	2	2 Provided
3.3.4 Other lifebuoys	Not Required	Nil
4 Lifejackets:		
4.1 SOLAS lifejackets with light	Not Required	Nil
4.2 Coastal lifejackets with light	682 Required	990 Provided( include 90 child lifejackets)
4.3 Coastal lifejackets – no light	Not Required	Nil
5 Distress signals:		
5.1 Parachute distress rockets	6 Required	6 Provided
5.2 Red hand-held flares	4 Required	4 Provided
5.3 Hand-held orange smoke signals	2 Required	2 Provided
6 Line throwing appliances:		
6.1 4 x rockets and lines	4 Required	4 Provided
7 On board communications and alarm systems:		
7.1 General emergency alarm system	Required	Provided
7.2 Public address system	Required	Provided
7.3 Engineering communications	Required	Provided
7.4 Bridge to emergency steering position communications	Required	Provided
8 Emergency lighting:		
8.1 Battery-operated torches	Required	Provided
8.2 Emergency navigation lights	Required	Provided
8.3 Emergency signalling lamps	Required	Provided



### Electrical systems:

Main switchboards in the steering gear room and one emergency generator is provided.

### Bridge outfit:

In good condition

### Other specific items:

#### Outstanding items are as follows:

- Registry certificates
- Radio station license.
- Shore Base Maintenance Agreements
- Exemption certificates corresponding to the AQP comments
- Crew certificates
- Navigation publications
- Muster list to be posted.
- Training manual
- Oil record book
- Final delivery voyage to be submitted for approval.
- The final approval delivery voyage stability booklet to be submitted.

All the plan approval comments had been closed.

Problems with engine vibration and shafting and stern bearings found during the sea trial were solved. During the sea trial on 11/07/2017, attending surveyor was satisfied with the related conditions. Shaft seal temperatures were measured and all found satisfactory. For details, please see the sea trial report as attached.



#### Section 4: Location/loading condition/state of vessel

Vessel examined		Remarks	
Anchor			
Quay	X		
Drydock			
Loaded	Yes		
	No	X	
Gas free	Yes	X	
	No		
Laid up	Yes		
	No	X	

#### Section 5: Vessel description and special features



## Section 6: Principal particulars

LR number:	9772888
Current vessel name:	DOÑA MERCEDES
Owners:	-
Managers:	-
Builder:	Guangdong Bonny Fair Heavy Industry Ltd.
Yard number:	HY 2186
Year of build:	Not yet know ✓
Date keel laid:	28 April 2015
Date of delivery:	Not available
Port of registry:	PORT VILA
Official number:	2176
Call letters:	YJTC3
Type of vessel:	Roro Passenger Ferry Catamaran
Classification:	✳100A1 SSC Passenger Ship, Catamaran, LDC, G3  [✳] LMC
Length: L.O.A.	73.6
Length: L.B.P.	66.882
Breadth: (m)	21.593
Breadth: (extreme)	-
Depth: (m)	5.746
Draught: (maximum summer)	2.75
Displacement: (summer)	-
Gross tonnage:	2796
Net tonnage:	838
Deadweight:	475
Main engine type:	MAIN ENGINES 4x MTU 16V 4000 M70
Output at RPM:	(2240kW @ 2000RPM)
Electric power generation and prime movers:	Cummins X2 Model/type: QSB7-DM power/speed:164KwX1500XRPM One emergency generator provided.

### Section 7: Classification status of vessel

Status:	Last survey date:	Next survey date:
Annual survey	N/A	N/A
Boiler survey		
Docking survey		
Machinery survey		
Special survey		
Steampipe survey		
Tailshaft survey		

Conditions of class		
Place:	Report no:	Remarks:
N/A		

### Section 8: Trading certificates/manuals/logbooks

Status:	Issued by:	Date of issue:	Date of expiry:	Last endorsement:
Certificate of Registry:	N/A			
International Load Line:				
International Tonnage:	<b>SNG 1611014 LR asia</b>	24/02/2016		
Panama Canal Tonnage:				
Suez Canal Tonnage:				
Safety Construction:				
Safety Equipment:				
Safety Radiotelegraphy: (prior 01/02/99)				
Safety Radiotelephony: (prior 01/02/99)				
GMDSS: (from 01/02/99)				
Passenger Ship Safety:				
ISM Code:				



Status:	Issued by:	Date of issue:	Date of expiry:	Last endorsement:
Minimum Manning Certificate:				
Safe Manning:				
IOPP Certificate:				
Certificate of Insurance in Respect of Civil Liability for Oil Pollution:				
Deratting:				
Carriage of Grain:				
IMO Certificate of Fitness:				
Noxious Liquid Substances:				
Carriage of Dangerous Goods:				
Port State Control:				
Classification Hull Survey:				
Classification Machinery Survey:				
U.S.C.G. Letter of Compliance:				
U.S.C.G. Certificate of Financial Responsibility (Water Pollution):				
Unattended Machinery Space:				
Non-Canadian Compliance:				
R.I.N.A. Certificate:				

Manuals:	Government:	Date of approval:
Cargo Gear Manual:		
Cargo Gear Register:		
Cargo Securing Manual:		
C.O.W. Manual:		
Grain Loading Manual:		
Operations Manual:		
Procedures & Arrangement Manuals Annex I/II:		
Shipboard Oil Pollution Emergency Plan:		
Trim & Stability Book		



Log books examined		Remarks
Deck:	Yes No	
Engine:	Yes No	
Other (specify):		

## Section 9: Definitions of terms used in the report

### General condition:

<b>Good</b>	1. Unimpaired condition without significant wear or deviation from original strength and operational efficiency, no maintenance or repair required
<b>Satisfactory</b>	2. Condition with wear and tear and other deficiencies of a minor nature not requiring correction or repair.
<b>Unsatisfactory</b>	3. Condition in which the adequacy of strength and/or operational efficiency is marginally below acceptable limits or is in doubt. Remedial action is required.
<b>Poor</b>	4. Condition of undoubtedly inadequate strength or operation efficiency. Immediate extensive repair or renewal required to reinstate serviceability.

### Coating condition:

<b>Good</b>	1. Condition with only minor spot rusting affecting not more than 20% , of areas under consideration e.g. on a deck transverse, side transverse, on the total area of plating and stiffeners on the longitudinal structure between these components, etc.
<b>Fair</b>	2. Condition with local breakdown at edges of stiffeners and welding connections and/or light rusting affecting 20% or more of areas under consideration.
<b>Poor</b>	3. Condition with general breakdown of coating affecting 20% or more of areas under consideration or hard scale affecting 10% or more.

Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

## Section 10: Survey checklist sheets

### 10.1 Hull

<b>Rudder: Not checked</b>									
General:									
Pintle lower:	Clearances*				Port	Stbd	Fwd	Aft	
Pintle upper:	Clearances*				Port	Stbd	Fwd	Aft	

\*Taken from Ship's Records – (mm)

<b>Shell port:</b>									
Forward:	1				1			No	
Midship:	1				1			No	
Aft:	1				1			No	

<b>Shell starboard:</b>									
Forward:	1				1			No	
Midship:	1				1			No	
Aft:	1				1			No	

<b>Shell below waterline: Not checked</b>									
Forward:									
Midship:									
Aft:									

<b>Forecastle deck:</b>	1				1			No	
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<b>Main deck:</b>									
Forward:	1				1			No	
Midship:	1				1			No	
Aft:	1				1			No	

<b>Cargo holds: N/A</b>									
No. 1:									
No. 2:									



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

No. 3:									
No. 4									
No. 5									

**T'ween decks:**

No. 1:									
No. 2:									
No. 3:									
No. 4:									
No. 5:									

<b>Poop deck:</b>									
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## 10.2 Tanks

**Cargo tanks: N/A**

No. 1 port:									
No. 1 centre:									
No. 1 stbd:									
No. 2 port:									
No. 2 centre:									
No. 2 stbd:									
No. 3 port:									
No. 3 centre:									
No. 3 stbd:									
No. 4 port:									
No. 4 centre:									
No. 4 stbd:									
No. 5 port:									
No. 5 centre:									
No. 5 stbd:									



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

No. 6 port:									
No. 6 centre:									
No. 6 stbd:									

<b>Ballast double bottom tanks: N/A</b>									
No. 1 port:									
No. 1 stbd:									
No. 2 port:									
No. 2 stbd:									
No. 3 port:									
No. 3 stbd:									
No. 4 port:									
No. 4 stbd:									
No. 5 port:									
No. 5 stbd:									
No. 6 port:									
No. 6 stbd:									

<b>Miscellaneous tanks: N/A</b>									
Slop tank port:									
Slop tank stbd:									

<b>Fore peak tank:</b>									
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<b>Aft peak tank:</b>									
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<b>Ballast topside tanks: N/A</b>									
No. 1 port:									
No. 1 stbd:									





Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

No. 2 port:									
No. 2 stbd:									
No. 3 port:									
No. 3 stbd:									
No. 4 port:									
No. 4 stbd:									
No. 5 port:									
No. 5 stbd:									
No. 6 port:									
No. 6 stbd:									

Ballast bottom hopper tanks: N/A									
No. 1 port:									
No. 1 stbd:									
No. 2 port:									
No. 2 stbd:									
No. 3 port:									
No. 3 stbd:									
No. 4 port:									
No. 4 stbd:									
No. 5 port:									
No. 5 stbd:									
No. 6 port:									
No. 6 stbd:									



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

<b>Deep tank: N/A</b>									
Port:									
Stbd:									

<b>Ballast wing tanks: N/A</b>									
No. 1 port:									
No. 1 stbd:									
No. 2 port:									
No. 2 stbd:									
No. 3 port:									
No. 3 stbd:									
No. 4 port:									
No. 4 stbd:									
No. 5 port:									
No. 5 stbd:									
No. 6 port:									
No. 6 stbd:									

### 10.3 Accommodation and deckhouses

Accommodation: crew	1								No. of berths 12
Accommodation: decoration and finishes	1								
Accommodation: lifts	1								
Accommodation: officers	1								No. of berths 2
Accommodation: passenger	1								No. of berths 672
Accommodation: structure	1								



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Deckhouses structure:										
No. 1:	1					1				
No. 2:	1					1				
No. 3:	1					1				
No. 4:	1					1				

Galley:	1									
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HVAC rooms: structure: N/A										
No. 1:										
No. 2:										

Pump room: structure: N/A										
No. 1:										
No. 2:										
No. 3:										
No. 4:										

Refrigerated store rooms: N/A										
Beer:										
Dairy:										
Fish:										
Meat:										
Preparation:										
Vegetable:										

Store rooms:										



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

#### 10.4 Deck outfit and life-saving equipment

<b>Accommodation gangways:</b>									
Port:	1								
Stbd:	1								

<b>Bow door:</b>	1								
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<b>Side doors: N/A</b>									
No. 1 port:									
No. 2 port:									
No. 1 stbd:									
No. 2 stbd:									

<b>Stern door:</b>	1								
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<b>Bulwarks and railings:</b>									
Port:	1								
Stbd:	1								

<b>Walkways fwd/aft:</b>	1								
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<b>Funnel:</b>	1								
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<b>Lifeboats and davits: N/A</b>									
No. 1:								Certified for persons	
No. 2:								Certified for persons	
No. 3:								Certified for persons	
No. 4:								Certified for persons	

<b>Rescue boat:</b>								Certified for persons	
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Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Lifebuoys:	1								
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Life rafts: 6pcs to be provided with each certified for 150 persons										
No. 1 port:									Certified for persons	
No. 1 stbd:									Certified for persons	
No. 2 port:									Certified for persons	
No. 2: stbd									Certified for persons	
Forecastle									Certified for persons	

Life raft hydrostatic releases:										
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Stores crane: N/A										
Port:										
Stbd:										
Bunker:										

Cargo cranes: N/A										
No. 1:										
No. 2:										
No. 3:										
No. 4:										
No. 5:										

### 10.5 Mooring equipment

Anchors:										
Port:	1									
Stbd:	1									



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Aft:									
Spare:									

<b>Chain stoppers:</b>									
Port:	1								
Stbd:									
Aft:									

<b>Cable lockers: N/A</b>									
Port:									
Stbd:									
Aft:									

<b>Cables:</b>									
Port:	1								
Stbd:									
Aft:									

<b>Capstan:</b>									
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<b>Emergency towing arrangements:</b>									
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<b>Fairleads:</b>									
<b>Mooring bollards:</b>	1								
<b>Panama leads:</b>									

<b>Mooring winches: N/A</b>									
Aft:									
Main deck:									
Forecastle:									
Hydraulic power pack:									



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Windlass:									
Aft:									
Main deck:									
Forecastle:	1								
Hydraulic power pack:	1								

10.6 Cargo handling systems and gear N/A

Ballast P/Ps:									
No. 1 P/P RM.:									
No. 2 P/P RM.:									
No. 3 P/P RM.:									
No. 4 P/P RM.:									

Cargo P/Ps:									
No. 1 P/P RM.:									
No. 2 P/P RM.:									
No. 3 P/P RM.:									
No. 4 P/P RM.:									

Cranes:									
No. 1:									
No. 2:									
No. 3:									
No. 4:									
No. 5:									
No. 6:									

Derricks:									
No. 1 port/stbd:									
No. 2 port/stbd:									
No. 3 port/stbd:									
No. 4 port/stbd:									
No. 5 port/stbd:									



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Derricks winches:									
No. 1 port/stbd:									
No. 2 port/stbd:									
No. 3 port/stbd:									
No. 4 port/stbd:									
No. 5 port/stbd:									

Hatch covers:									
Coamings:									
No. 1:									
No. 2:									
No. 3:									
No. 4:									
No. 5:									

Covers main deck:									
No. 1:									
No. 2:									
No. 3:									
No. 4:									
No. 5:									

Covers t'ween deck:									
No. 1:									
No. 2:									
No. 3:									
No. 4:									
No. 5:									

Cover mechanisms:									
No. 1:									
No. 2:									
No. 3:									





Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

No. 4:									
No. 5:									

<b>Manifolds:</b>									
<b>Cargo:</b>									
Port:									
Stbd:									

<b>Bunker:</b>									
Forward:									
Amidships:									
After:									

<b>Pipe systems:</b>									
Cargo (on deck):									
Ballast (on deck):									
Cargo (P/P room):									
Ballast (P/P room):									

<b>Gas/vent risers:</b>									
No. 1:									
No. 2:									
No. 3:									
No. 4:									

<b>Heating coils:</b>									
(List tanks):									
Inert gas system:									

P/V valves:									
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Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Vapour emission control system:									
---------------------------------	--	--	--	--	--	--	--	--	--

Ventilation:									
Cargo tanks/holds:									
No. 1:									
No. 2:									
No. 3:									
No. 4:									
No. 5:									

Cargo pump rooms:									
No. 1:									
No. 2:									
No. 3:									
No. 4:									

### 10.7 Machinery – main

Main propulsion:									
Boilers: N/A									
Port:	1								
Stbd:	1								

Reduction gears:									
									MAIN ENGINES 4x MTU 16V 4000 M70 (2240kW @ 2000RPM) Cummins X2 Model/type: QSB7-DM power/speed:164KwX1500XRPM One emergency generator provided.

Clutches:									



Item	General condition				Coating condition			Seen operating? Yes/No	Remarks
	1	2	3	4	1	2	3		

Main engine(s):										
Port:	1								No	
Stbd:	1								No	

Piping systems:										
Air-start:										
Air-control:										
Ballast:										
Bilge:										
Condensate:										
Fresh water:										
Diesel oil:										
Fuel oil:										
Hydraulic oil:										
Lub. Oil:										
Sea water:										

Propeller:										

Propeller control gear:										
Port:										
Stbd:										

Shafting:										
Intermediate:										
Tailshaft:										
Tailshaft (spare):										
Lifting gear:										
Intermediate bearing:										
Tailshaft bearing fwd:										
Tailshaft bearing aft:										
Oil seal fwd:										



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Oil seal aft:									
Tailshaft oil system:									

<b>Thrusters:</b>									
Fwd:									
Aft:									

10.8 Machinery – auxiliary

<b>Auxiliary diesel generator engines:</b>									
No. 1:	1								
No. 2:	1								
No. 3:									
No. 4:									
Emergency:									

<b>Condensers: N/A</b>									
Main:									
Auxiliary:									

<b>Evaporators: N/A</b>								Type and capacity T/D	
No. 1:									
No. 2:									

<b>Compressors: N/A</b>								Type	
Main no 1:									
Main no. 2:									
Control:									
Deck:									
Medical									

<b>Fresh water generators: N/A</b>								Type and capacity T/D	
No. 1:									
No. 2:									



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

<b>Incinerator: N/A</b>								Type and capacity T/D	
No. 1:									
No. 2:									
<b>Refrigeration (cargo): N/A</b>								Type	
No 1:									
No. 2:									

<b>Refrigeration (domestic): N/A</b>								Type	
No 1:									
No. 2:									

<b>Steering gear:</b>								Type	
No 1:	1								
No. 2:	1								

### 10.9 Safety equipment

<b>Emergency fire pump:</b>								Type and capacity T/H	
Forward:									
Aft:									

<b>Portable safety appliances:</b>									
Accommodation:	1								
Engine room:	1								
Main deck:	1								
Cargo pump rooms:									
No. 1:									
No. 2:									
No. 3:									
No. 4:									

<b>Fixed fire extinguishing systems:</b>									
Engine room:									



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Boiler room:									
Accommodation:									
Main deck:									
Cargo holds:									
Pump rooms:									
Paint locker:									
CO <sub>2</sub> room:									

Fire detection systems: Not checked									
Accommodation:									
Engine room:									
Pump rooms:									
Cargo holds:									
Other(s):									

Fuel shut-offs:									
Engine room:	1							no	
Emergency generator:	1							no	
Other:									

### 10.10 Electrical systems

Main switchboard:									
Instrumentation:	1							no	
Controls:	1							no	
Internal cleanliness:	1							no	
Wiring and cable termination:	1							no	
Name and warning plates:	1							no	

Emergency switchboard:									
Instrumentation	1							no	
Controls:	1							no	



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Wiring and cable termination:	1							no	
Name and warning plates:	1							no	
Automatic emergency generator starting:	1							no	

Shore connection:									
General condition:	1							no	

Distribution boards/starters/control panels and consoles:									
General condition:	1							no	

Cables:									
Terminations:	1							no	
Cable tray/clips:	1							no	
Identification:	1							no	
General condition:	1							no	

Lights:									
Accommodation block outside:	1							no	
Accommodation block inside:	1							no	
Engine room:	1							no	
On deck:	1							no	
Cargo pump rooms:									

Hazardous area electrical equipment: N/A									
Main deck:									
Pump rooms:									

Motors:									
Cable and glands:	1							no	
Vibration:	1							no	



Item	General condition				Coating condition			Seen operating? Yes/No	Remarks
	1	2	3	4	1	2	3		

Cleanliness:	1							no	
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<b>Generators:</b>									
Cable and glands:	1							No	
Vibration:	1							No	
Cleanliness:	1							No	

### 10.11 Bridge outfit

<b>Communications external: Not test</b>									
HF/MF radio:								No	
Satcom:									
VHF sets:								No	
Lifeboat VHF sets:									
EPIRBs/SARTs:									
Weatherfax:									

<b>Communications internal: Not test</b>									
Auto telephones:									
Battery/sound powered telephones:									
PA system:									
Walky talky sets:									

<b>Flags:</b>									
General:									

<b>Manufacturer's instruction manuals:</b>									
General:									

<b>Navigation charts:</b>									
Sufficiency for current trade:									
Last updated:									
Chart corrections									





Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

onboard:									
<b>Navigation instruments: Not checked</b>									
Anemometer:									
Autopilot:									
Chronometers:									
Echo sounder:									
Engine remote control:									
Gyro compass:									
Loading computer:									
Log:									
Magnetic compass:									
Nav/signal lights:									
Positioning equipment:									
Radars:									
Rudder angle indicators:									
Thruster control:									
Whistles:									

**10.12 Fuel, L.O. and boiler water tests and consumption Not checked**  
 (taken from deck/engine log books)

Heavy oil:	Grade:	Samples on board Yes/No:	Consumption:		
			Loaded:	Ballast:	Average speed:

Diesel oil:	Grade:	Samples on board Yes/No:	Consumption:		
			Loaded:	Ballast:	Average speed:
MDO/gas oil:					



Item	General condition				Coating condition			Seen operating?	Remarks
	1	2	3	4	1	2	3	Yes/No	

Lubricating oil:	Grade:	Last tested:	Consumption:		
			Loaded:	Ballast:	Average speed:
Main engine crankcase:					
Main engine cylinder:					
Diesel generator:					
Stern tube:					

10.13 Supporting technical documents (appended to report):

Plans:	
Logs:	
Thickness measurements:	
Spare gear inventories:	
Main engine crankshaft deflections:	
Main engine liner calibrations:	
Auxiliary engine crankshaft deflections:	
Lub oil reports:	
Boiler water reports:	
Photographs:	Yes
Sea trial Report	Yes

# Pre-purchase Condition Survey

Photographs – MV" DOÑA MERCEDES" LR No. 9772888

Lloyd's Register Classification Society (China) Co., Ltd.

## Section 1 – Index of photographs

1. m/v" DOÑA MERCEDES" at float condition .....	
2.Outside of the bridge(P) .....	
3. sun deck passenger seat( P) .....	
4.Sun deck passenger seat(S) .....	
5. Upper deckbusiness class seat ( S) .....	
6. Upper deck Tourist class seat(S).....	
7. Upper deck Service desk(S) .....	
8. Upper deck disabled toilet (S) .....	
9. Upper deck Male Toilet(S) .....	
10.Upper deck stbd side Female toilet(S) .....	
11.disabled lift (S).....	
12.Upper deck tourist class seat-1 (P).....	
13.Upper deck tourist class seat-2(P).....	
14. Main deck ( look from after) .....	
15. captain cabin after of the bridge .....	
16. Crew cabin x2 crew( Main deck S. side) .....	
17. Crew cabin x4 crew( Main deck S. Side).....	
18.Mess Room( Main deck S. Side) .....	
19.Cooking facilities in Mess room.....	
20. F.P. Void space(P).....	
21. No.2 Void space(P).....	
22.No.3 Void space(P).....	
23.No.4 Void space(P).....	
24. No.5 Void space(P).....	
25.Engine room(P).....	
26.steering gear room(P) .....	
27. steering gear room(S) .....	
28.Engine Room (S) .....	
29.No.5 Void space(S).....	
30.No.4 Void space(S).....	
31.No4 Void space( S) sewage holding tanks .....	



- 32.No.3 void space and crew accommodation .....
- 33.No.2 void space.....
- 34. F.P. Void space(S).....
- 35. bridge front view .....
- 36.bridge control station .....
- 37.Non SOLAS rescue lifeboat .....
- 38. Non SOLAS rescue lifeboat davit.....
- 39. Liferaft seat( S) .....
- 40.Liferaft Seat(P).....
- 41. Life buoy with light and smoke (P) .....
- 42.Life buoy with light only.....
- 43.Life jackets on the sun deck .....
- 44.navigation lights and radars on the monkey island. ....
- 45.Approved fire and safety plan.....
- 46.fireman equipment on the bridge. ....
- 47. Fire hose on the sun deck(S).....
- 48.Non portablr foam extinguisher in the engine room.....
- 49. Fire extinguisher and fireman outfit in the steering gear room .....
- 50. Fire hose in the no.4 Void space(S) .....
- 51. Fire hydrant.....
- 52. fire extinguisher on the main deck.....
- 53.port side anchor winches .....
- 54.port side anchor chain .....
- 55. Port side anchor.....
- 56.stbd side anchor .....
- 57.Port outer main engine.....
- 58.Port inner main engine .....
- 59.Stbd inner main engine .....
- 60.Stbd outer main engine .....
- 61.Port Generator.....
- 62. Stbd Generator .....
- 63.Port generator control panel.....
- 64.stbd generator control panel .....
- 65.Port steering gear.....
- 66.Stbd steering gear .....
- 67. Bow thruster ( in the no.2 void space (P.Side only)) .....
- 68.Oil water separator ( in the stbd side engine room only) .....
- 69.Oil content meter( in the stbd side engine room only) .....



- 70. Sewage treatment plant in the no.4 void space (P.side only).....
- 71. Emergency generator .....



## Section 2 – Photographs

1.



2.



3.



4.



5.



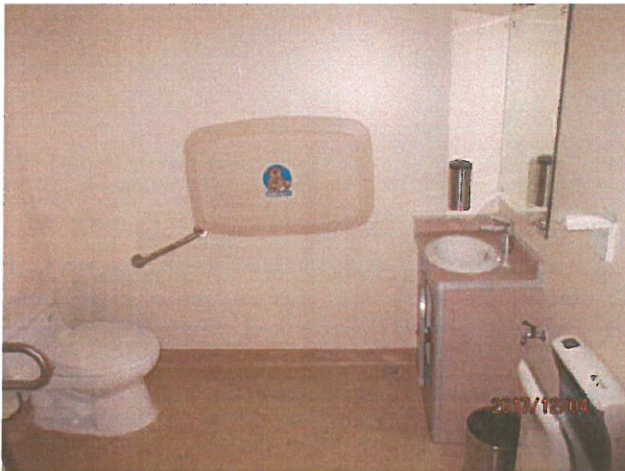
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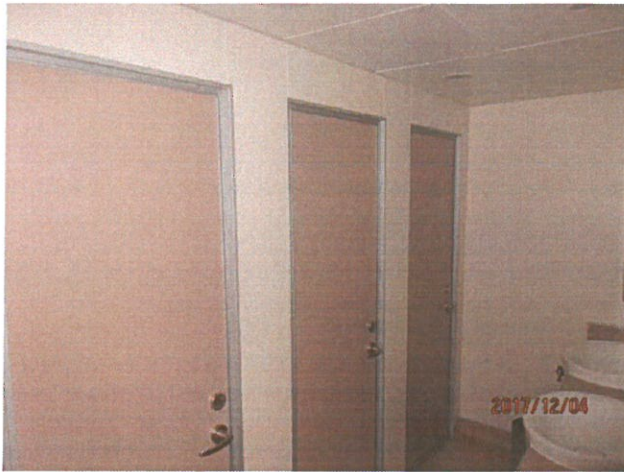


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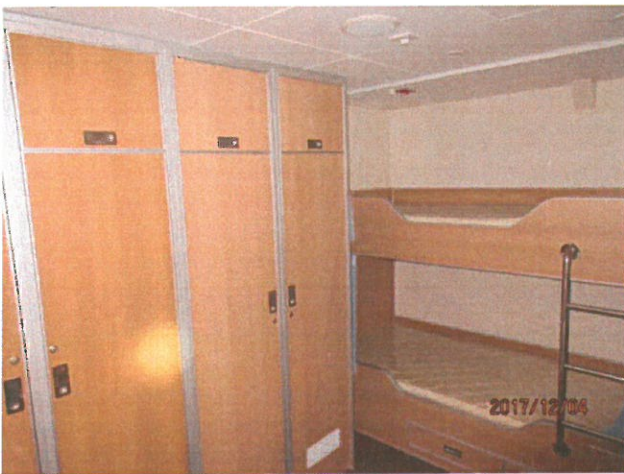
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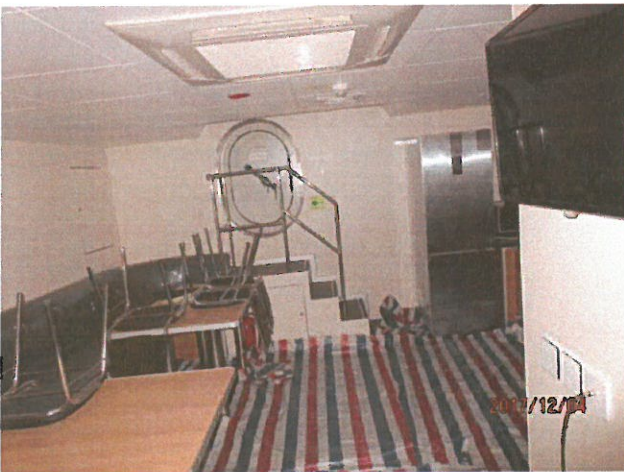
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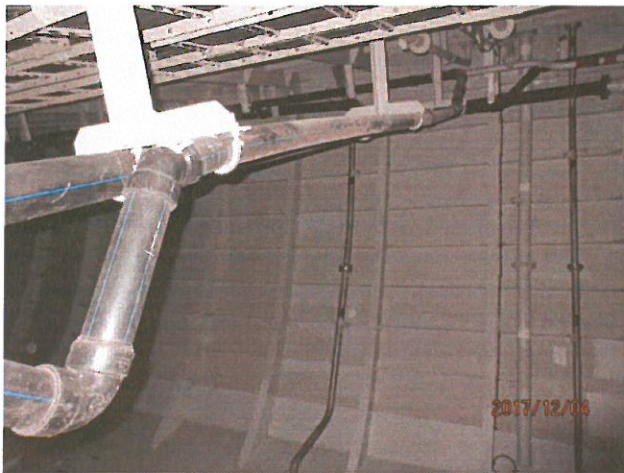
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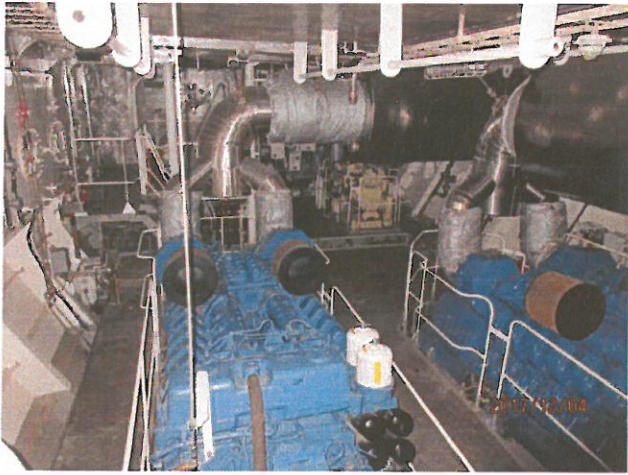


23.



24.





25.



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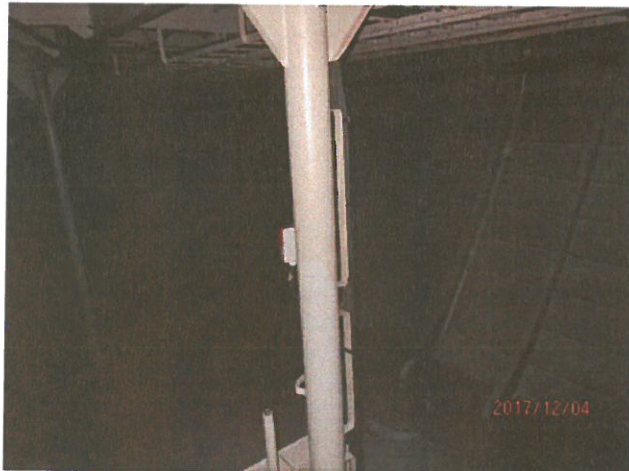
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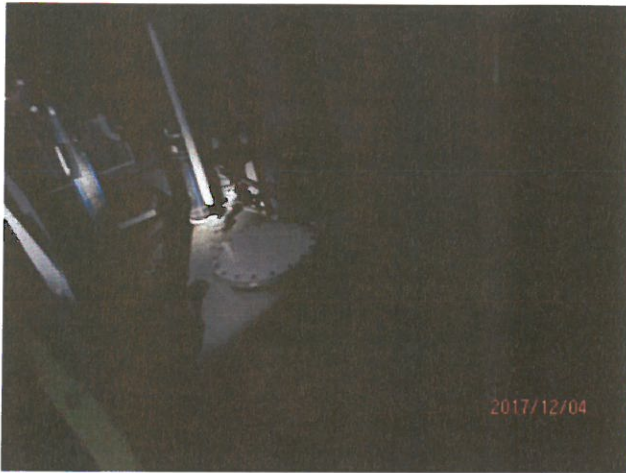


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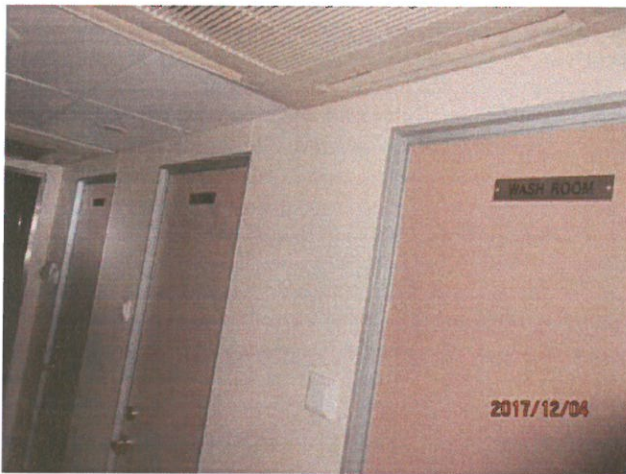


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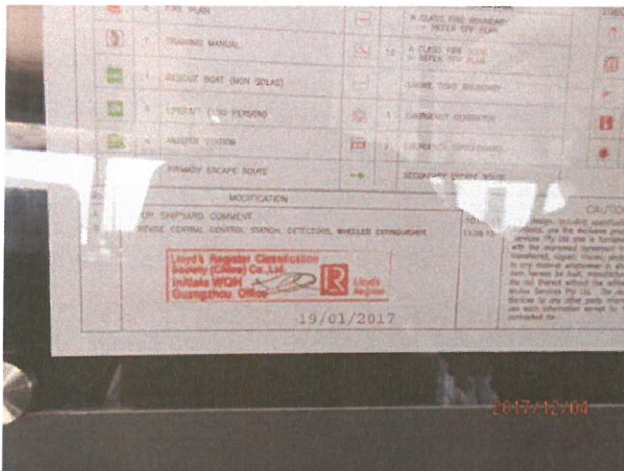
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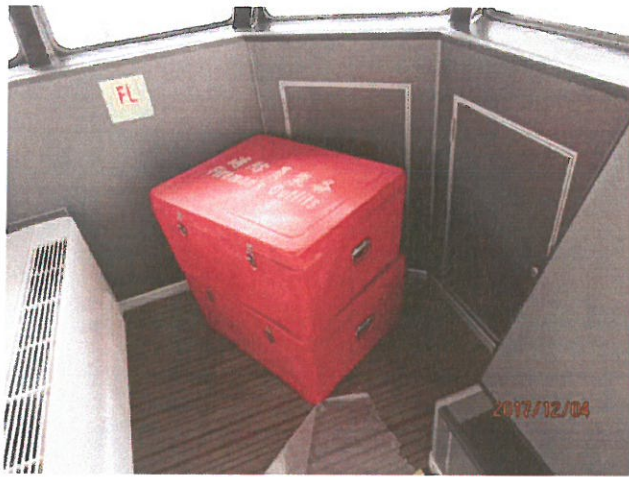


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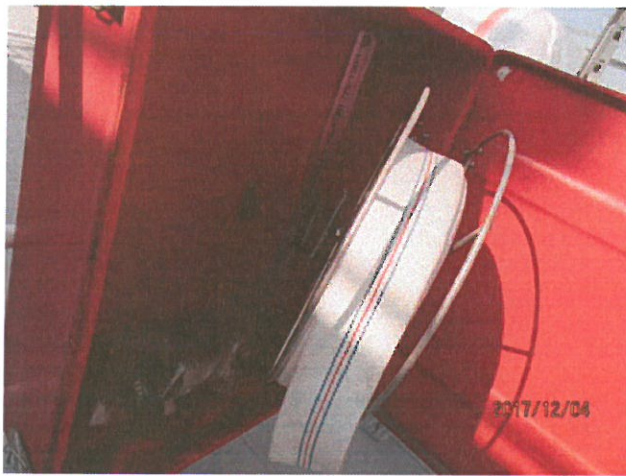


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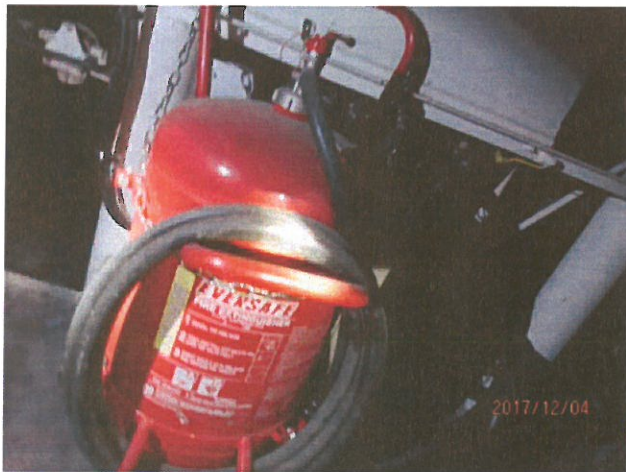




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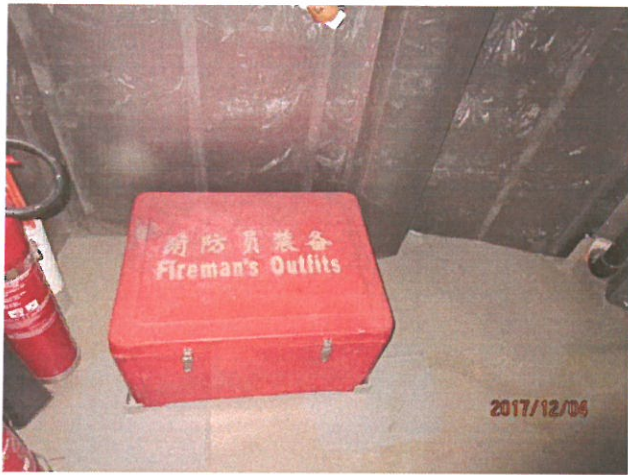
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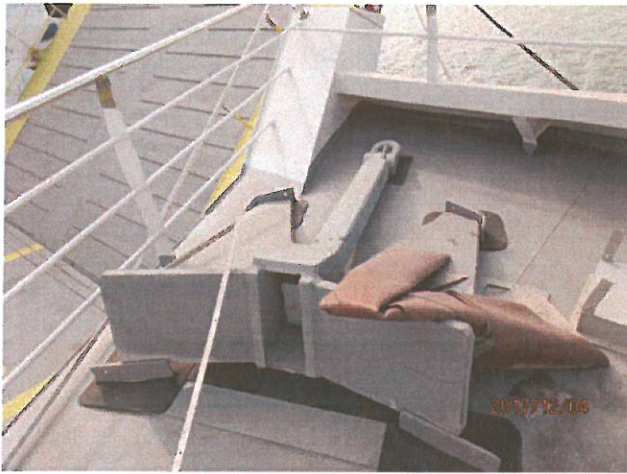


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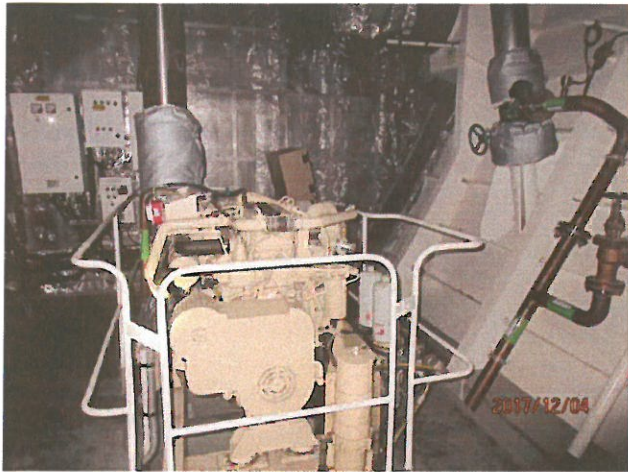
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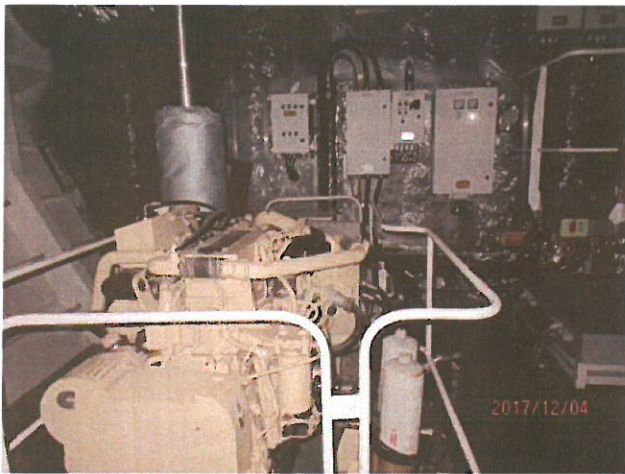
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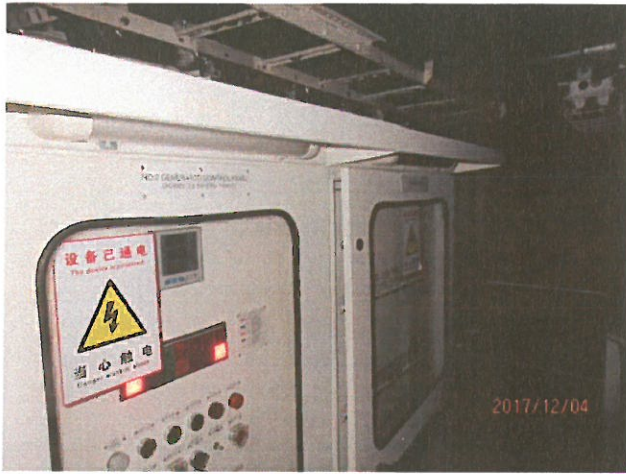
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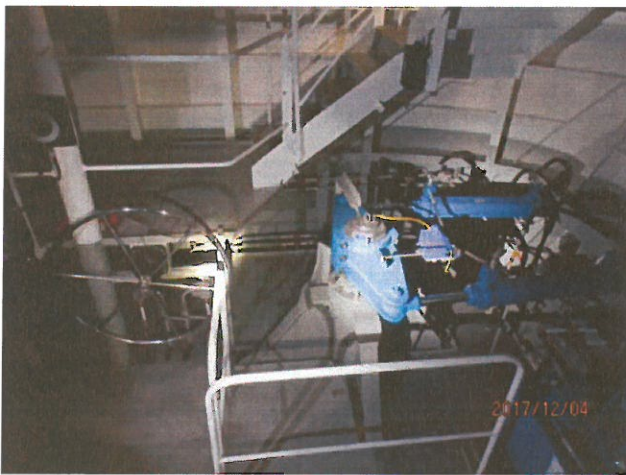
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