



RB JORDANA: Eco-Kamsarmax bulk carrier

Shipbuilder: **Sungdong Shipbuilding & Marine Engineering**
Vessel's name: **RB JORDANA**
Hull No: **S1224**
Owner/Operator: **Reuben Brothers**
Country: **United Kingdom**
Designer: **Sungdong Shipbuilding & Marine Engineering**
Country: **Republic of Korea**
Model test establishment used: **KRISO**
Flag: **Marshall Islands, Majuro**
IMO number: **9730816**
Total number of sister ships already completed (excluding ship presented): **1**
Total number of sister ships still on order: **3**

RB JORDANA is the first ship to be built in Sungdong without a bulbous bow. It has a deck flush with the forecastle, an open water type stern, a single rudder, and a single screw propeller driven by a slow speed diesel engine. The vessel is built to Nippon Kaiji Kyokai (ClassNK) requirements and has been designed in accordance with IACS Common Structural Rules.

The vessel is mainly designed for carrying coal, iron ore and grain. The BC-A notation is applied for cargo holds with a cargo density of 1.0t/m³. It has a single skin in way of cargo holds with a double bottom and topside tank. The cargo hold area is divided by vertical corrugated transverse watertight bulkheads into seven cargo holds. The No.4 cargo hold can be used as a floodable hold for heavy ballast conditions and No.2 and 6 holds can also be used as partial floodable holds for the adjustment of air draughts at individual ports. The vessel complies with the latest environmental guidelines such as Marpol Annex I Reg. 12A oil fuel tank protection, the Inventory of Hazardous Materials for ship's recycling, and the Performance Standard for Protective Coatings for water ballast tanks and peak tanks.

The MCR of the main engine is 8,610kW at 78rpm and the service speed at the design draught at NCR with 15% sea margin is 14knots. The vessel can travel more than 26,300 nautical miles. Three diesel generators have been installed.

TECHNICAL PARTICULARS

Length oa: 229m
Length bp: 225m
Breadth moulded: 32.26m
Depth moulded
To main deck: 20.2m

Draught
Scantling: 14.55m
Design: 12.2m
Gross: 43,600tonnes
Deadweight
Design: 64,800tonnes
Scantling: 81,500tonnes
Speed, service (85 %MCR output): 14knots
Cargo capacity: 95,000m³
Bunkers
Heavy oil: 2,500m³
Diesel oil: 200m³
Water ballast: 36,500m³
Daily fuel consumption
Main engine only: 27.9tonnes/day
Classification society and notations: ... NK / NS* (CSR, BC-A, BC-XII, GRAB 20, PSPC-WBT) (PSCM) (ESP) (IWS) (EA), MNS* M0, CHG, MPP, LSA, RCF, AFS with descriptive notes "Strengthened for heavy cargo loading where holds Nos. 2, 4 & 6 may be empty, IHM"
% high-tensile steel used in construction: 73%
Main engine(s)
Design: MAN B&W
Model: 5G60ME-C9.2
Manufacturer: STX Heavy Industries
Number: 1
Type of fuel: HFO, MDO, MGO
Output of each engine: 8,610kW x 78rpm
Propeller(s)
Material: Ni. Al. Bronze
Designer/Manufacturer: Silla Metal
Number: 1
Fixed/Controllable pitch: FPP
Diameter: 7.6m
Speed: 78rpm
Diesel-driven alternators
Number: 3 sets
Engine make/type: ... STX Engine / 5L23/20H
Type of fuel: HFO, MDO, MGO
Output/speed of each set: ... 650kW / 720rpm
Boilers
Number: 1 set
Type: Composite
Make: Kangrim Heavy Industries
Output, each boiler: Composite (Oil fired/exhaust gas) -1,200/450kg/h x 6kg/cm²g
Other cranes
Number: 1 set / 2 sets
Make: DMC / DMC
Type: M/E Overhead / Electro-hydraulic driven

Tasks: E/R Crane / Provision handling
Performance: ... 4tonnes x 6m / SWL 4tonnes & 4tonnes

Mooring equipment
Number: 6 sets
Make: Flutek
Type (electric/hydraulic/steam): Electro-hydraulic driven

Special lifesaving equipment
Number of each and capacity: 1 set x 28 persons

Make: Norsafe
Type: Free fall

Hatch covers
Design: Side rolling
Manufacturer: MacGregor
Type: Upper deck

Cargo tanks
Number: 7

Ballast control system
Make: Taiko Kikai Industries
Type: Centrifugal pump

Water Ballast Treatment System
Make: Samsung Heavy Industries
Capacity: 2,000m³/hr
Complement: 25 persons + 6 Suez crew

Fire detection system
Make: Consilium
Type: 712_FC Cargo/4L

Fire extinguishing systems
Cargo holds: Sea water
Make/Type: Sea water spray
Engine room: 20
Make/Type: Tyco & Seaplus / local water mist

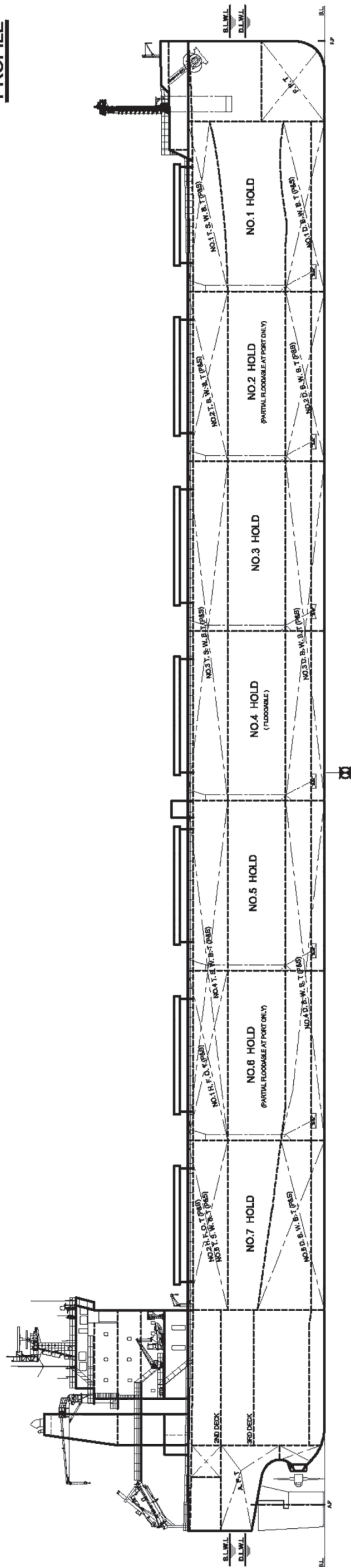
Radars
Number: S-Band Radar 1 set, X-Band Radar 1 set
Make: JRC
Model(s): JMR-9282-n(S-Band), JMR-9225-6X(X-Band)

Waste disposal plant
Incinerator
Make: Hyundai Marine Machinery
Model: Maxi NG100SL WS

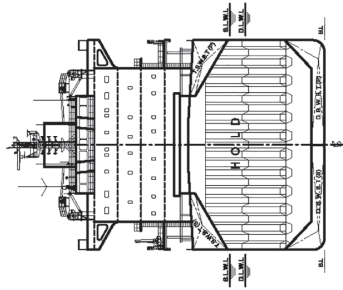
Sewage plant
Make: Jonghap Machinery
Model: JMC-Bio Aerob-18N(A)

Contract date: January 2014
Launch/float-out date: January 2016
Delivery date: May 2016

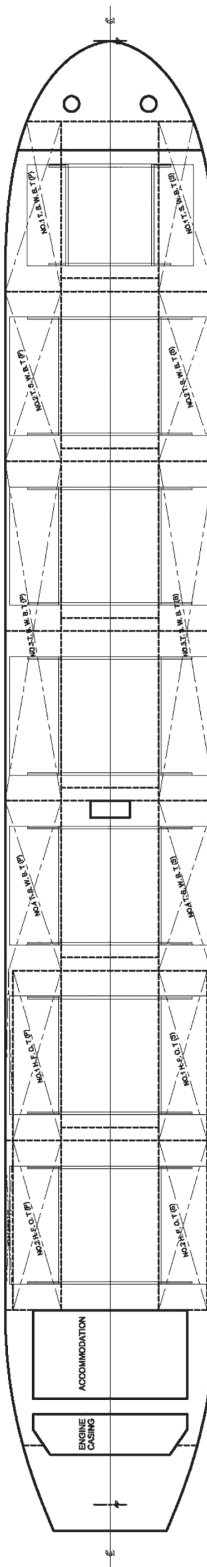
PROFILE



MIDSHIP SECTION



UPPER DECK



TANK TOP

