



## ***PARTICULARS***

IMO No: **9266891**

TYPE OF VESSEL: **CEMENT CARRIER (SELF - DISCHARGING)**

FLAG: **PANAMA**

CLASS: **RINA**

BUILT: **2003**

BUILDER: **KYOKUYO SHIPYARD, JAPAN**

GRT/NRT: **4997/1808**

D W T: **7435 M.T.**

LOA x B x D: **110 x 18.4 x 8.3 (M)**

MAX DRAFT: **6.86 (M)**

MAIN ENGINE: **HANSHIN DIESEL LH46LA**

AUX. ENG: **3 x YANMAR 6N165L-SN 485KW 660PS**

AUX. GENERATORS: **3 x 450KW 450V 60HZ AC**

CEMENT HOLDS FULL CAPACITY: **4 SEPERATE – 6544 CUB.M.**

BALLAST TANK: **2500 CUB.M. EPOXY COATED**

RADIO TELECOM: **GMDSS A1+A2+A3 + SATCOM**

BOW THRUSTER: **465KW TAIYO ELECTRIC**

## ***SPEED/CARGO/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **11.0 KNOTS/HR – 9.0 IFO 180 PLUS 1.3 M.T. MDO/DAY**

FULL LOAD: **11 KNOTS/HR – 9.0 IFO 180 PLUS 1.3 M.T. MDO/DAY**

**12.5 KNOTS/HR – 11 IFO 180 PLUS 1.3 M.T. MDO/DAY**

### ***AT PORT***

ANCHORAGE: **1.0 MT/DAY MGO 0.1%**

LOADING: **1.8 MT/DAY MGO 0.1%**

### ***DISCHARGING***

PNEUMATIC: **6.5 MT/DAY IFO 180 OR MGO 0.1% FOR M/E PLUS 3.0 MT/DAY**

**MGO 0.1% FOR DIESEL GENERATOR**

MECHANICAL: **N/A**

### ***LOADING RATE/SYSTEM***

MECHANICAL: **UP TO 800 MT/HR VIA A CENTRAL HOPPER**

PNEUMATIC: **UP TO 350 MT/HR VIA A 12 INCH PIPE (STARBOARD)**

**BY TRUCK UP TO 8 TRUCKS SIMULTANEOUSLY (PORT/STARBOARD)**

### ***DISCHARGING RATE/SYSTEM***

PNEUMATIC: **UP TO 350 MT/HR**

**(DEPENDS ON HORIZONTAL/VERTICAL DISTANCES TO SHORE SILO)**

MECHANICAL: **N/A**

*\*All fugures are about*

*\*\*Vessel has a bow and stern thruster*



## ***PARTICULARS***

IMO No: **8009545**

TYPE OF VESSEL: **CEMENT CARRIER (SELF - DISCHARGING)**

FLAG: **MALTA**

CLASS: **RINA**

BUILT: **1981**

BUILDER: **SHIKOKU DOCKYARD CO LTD, JAPAN**

GRT/NRT: **8.180/2.813**

D W T: **13.049 M.T.**

LOA x B x D: **138 x 21 x 11,5 (M)**

MAX DRAFT: **8,115 (M) SSW**

MAIN ENGINE: **UBE-MAK x 2 - 6 MU 453 AK (2.942KW TOTAL)**

**DIRECT REVERSING DIESEL ENGINE**

AUX. ENG: **3 x MITSUBISHI S6 N - MPTA**

AUX. GENERATORS: **3 x 220 KW EACH**

CEMENT HOLDS FULL CAPACITY: **4 SEPARATE HOLDS - 11269 CUB.M.**

**(VSL CAN LOAD 2 DIFFERENT KINDS OF CEMENT)**

BALLAST TANK: **EPOXY COATED**

RADIO TELECOM: **GMDSS SYSTEM (BY JRC TOKYO) A1, A2, A3**

## ***SPEED/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **10.0 KNOTS/9.2 M.T. IFO (30 CST) PLUS 1.5 M.T. MDO/DAY**

**10.5 KNOTS/10.5 M.T. IFO (30 CST) PLUS 1.5 M.T. MDO/DAY**

FULL LOAD: **9.5 KNOTS/9.2 M.T. IFO (30 CST) PLUS 1.5 M.T. MDO/DAY**

**10.0 KNOTS/11.0 M.T. IFO (30 CST) PLUS 1.5 M.T. MDO/DAY**

### ***AT PORT***

ANCHORAGE: **0.8 M.T. MDO/DAY PLUS 0.30 MT BOILER (WINTER)**

LOADING: **1.6 M.T. MDO/DAY PLUS 0.30 M.T BOILER (WINTER)**

### ***DISCHARGING***

PNEUMATIC: **6.0 M.T. MDO/DAY WITH 3 CARGO COMPRESSORS WORKING PLUS 0.3 M.T FOR BOILER IN WINTER**

**7.3 M.T. MDO/DAY WITH 4 CARGO COMPRESSORS WORKING PLUS 0.3 M.T FOR BOILER IN WINTER**

MECHANICAL: **2.0 M.T. MDO/DAY PLUS 0.3 M.T. (FOR BOILER)**

### ***LOADING RATE/SYSTEM***

MECHANICAL: **ABOUT 600 M.T./HR**

PNEUMATIC: **VIA TRUCKS**

### ***DISCHARGING RATE/SYSTEM***

PNEUMATIC: **ABOUT 2 x 230 M.T./HR THROUGH TWO LINES**

**ABOUT 1 x 320 M.T./HR THROUGH ONE LINE**

**(DEPENDS ON HORIZONTAL/VERTICAL DISTANCES TO SHORE SILO)**

MECHANICAL: **ABOUT 8 - 9 MINUTES PER 25M.T SILO TRUCK**

*\*All figures are about*



## ***PARTICULARS***

IMO No: **9331830**

TYPE OF VESSEL: **CEMENT CARRIER (SELF - DISCHARGING)**

FLAG: **PANAMA**

CLASS: **RINA**

BUILT: **2006**

BUILDER: **SELAH SHIPYARD ISTANBUL TURKEY**

GRT/NRT: **9.299/3.244**

D W T: **13.020 M.T.**

LOA x B x D: **133,93 x 20,6 x 10,50 (M)**

MAX DRAFT: **8,269 (M) SSW**

MAIN ENGINE: **WARTSILA W8L38B 5.800KW CONTROLLABLE PITCH PROPELLER**

AUX. ENG: **3 x WARTSILA 760W6L20**

AUX. GENERATORS: **3 x 760 KW EACH**

BOW THRUSTER: **450kw**

SHAFT GENERATOR: **ONE x 1.300 KW**

CEMENT HOLDS FULL CAPACITY: **4 SEPARATE HOLDS - 10.800 CUB.M.**

**BALLAST TANK: EPOXY COATED - 5.183 CUB .M.**

FUEL TANK: **722 CUB. M. HEAVY FUEL IFO 380 / 135 CUB. M. GOIL**

RADIO TELECOM: **GMDSS (BY SAILOR) A1, A2, A3 + INMARSAT FLEET 77**

## ***SPEED/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **13,0 KNOTS/21 M.T. IFO (380 CST) (3 BEAUFORT MAX)**

BALLAST (ECO SPEED): **10,5 KNOTS/14 M.T. IFO 380 CST**

FULL LOAD: **12,5 KNOTS/21 M.T. IFO (380 CST) (3 BEAUFORT MAX)**

FULL LOAD (ECO SPEED): **10 KNOTS/14 M.T. IFO 380 CST**

### ***AT PORT***

ANCHORAGE: **1.5 M.T. MGO/DAY**

LOADING: **2,2 M.T. IFO 380 CST/DAY (PORT PERMITTED)**

#### ***DISCHARGING***

PNEUMATIC: **UP TO 8,0 MT/DAY IFO 380 CST (PORT PERMITTED)**

MECHANICAL: **UP TO 3,0 MT/DAY IFO 380 CST (PORT PERMITTED)**

#### ***LOADING RATE/SYSTEM***

MECHANICAL: **UP TO 600 M.T./HR**

PNEUMATIC: **UP TO 300 M.T./HR VIA A 16'' PIPE LINE**

**\*VESSEL HAS THE ABILITY TO BE LOADED BY TRUCKS/UP TO 10 TRUCKS SIMULTANEOUSLY**

#### ***DISCHARGING RATE/SYSTEM***

PNEUMATIC: **UP TO 400 M.T./HR VIA 14'' PIPE TO SHORE SILO**

MECHANICAL: **UP TO 300 M.T./HR TO SHORE SILO**

TRUCKS: **8-9 MINUTES PER 25MT SILO TRUCK**

**(VESSEL CAN BE CONNECTED TO 2 TRUCKS SIMULTANEOUSLY)**

*\*All figures are about*



## ***PARTICULARS***

IMO No: **8816352**  
TYPE OF VESSEL: **CEMENT CARRIER (SELF - DISCHARGING)**  
FLAG: **CYPRUS**  
CLASS: **RINA**  
BUILT: **1988**  
BUILDER: **KANDA SHIPBUILDING CO LTD - JAPAN**  
GRT/NRT: **2453/750**  
D W T: **3.399 M.T.**  
LOA x B x D: **86 x 14,50 x 6,50 (M)**  
MAIN DRAFT: **5,313 (M) SSW**  
MAIN ENGINE: **NIIGATA 6M34AFT - 1618 KW**  
AUX. GENERATORS: **YANMAR 6LAAL-UTN (2 UNITS)**  
BOW THRUSTER: **240kw**  
CEMENT HOLDS FULL CAPACITY: **3 SEPARATE HOLDS - 2.792 CUB.M.**  
BALLAST TANK: **EPOXY COATED - 999,1 CUB .M.**  
RADIO TELECOM: **GMDSS A1, A2, A3 + SATCOM**

## ***SPEED/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **10 KNOTS/4,6 M.T. IFO 180 PLUS 0,6 M/T MGO 0,1%  
(3 BEAUFORT MAX)**  
FULL LOAD: **10 KNOTS/4,8 M.T. IFO 180 PLUS 0,6 M/T MGO 0,1%  
(3 BEAUFORT MAX)**

### ***AT PORT***

ANCHORAGE: **0,6 M.T. MGO/DAY**  
LOADING: **1,2 M.T. MGO/DAY**

### ***DISCHARGING***

PNEUMATIC: **6,6 MT/DAY MGO 0,1%**  
MECHANICAL: **2,0 MT/DAY MGO 0,1%**

### ***LOADING RATE/SYSTEM***

MECHANICAL: **UP TO 1000 M.T./HR**  
PNEUMATIC: **UP TO 6 TRUCKS SIMULTANEOUSLY**

### ***DISCHARGING RATE/SYSTEM***

PNEUMATIC: **UP TO 300 M.T./HR DEPENDS ON THE BACK PRESS AND  
SHORE SILO FACILITIES**  
MECHANICAL: **UP TO 350 M.T./HR TO SHORE BELT**  
TRUCKS: **8-10 MINUTES PER 25MT SILO TRUCK**

*\*All figures are about*

*\*\*Vessel has bow thruster*



## ***PARTICULARS***

IMO No: **8910512**

TYPE OF VESSEL: **CEMENT CARRIER (SELF - DISCHARGING)**

FLAG: **HELLENIC**

CLASS: **INSB – TRADING WITHIN GREEK TERRITORY**

BUILT: **1989**

BUILDER: **KAMBARA MARINE DEVELOPMENT & SHIPBUILDING CO LTD – FUKUYAMA – JAPAN**

GRT/NRT: **2.221 / 1.120**

D W T: **3.347 M.T.**

LOA x B x D: **85,42 X 13,60 X 6,60 (M)**

MAIN DRAFT: **5,518 m (M) SSW**

MAIN ENGINE: **DIESEL HANSIN 6EL32 1 x 1.471 KW**

AUX. GENERATORS: **YANMAR 1 x 350 KVA, MITSUI DEUTZ 1 x 80 KVA,**

**CUMMINS 1 x 220 KVA, SHAFT GENERATOR 1 x 350 KVA**

CEMENT HOLDS FULL CAPACITY: **3 HOLDS 2.706,44 m3 TOTAL**

BALLAST TANK: **EPOXY COATED**

RADIO TELECOM: **GMDSS A1+A2+SATCOM**

## ***SPEED/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **10 KNOTS/HR – 5.4 MT/DAY IFO 180 PLUS 0,6 M/T MGO 0,1% (3 BEAUFORT MAX)**

FULL LOAD: **9.5 KNOTS/HR – 5.4 MT/DAY IFO 180 AT PORT PLUS 0,6 M/T MGO 0,1% (3 BEAUFORT MAX)**

### ***AT PORT***

ANCHORAGE: **0,55 MT/DAY MGO**

LOADING: **0,8 MT/DAY MGO**

### ***DISCHARGING***

PNEUMATIC: **5.8 MT/DAY IFO 180 PLUS 1.0 MT MGO/DAY**

MECHANICAL: **1.8 MT/DAY MGO**

### ***LOADING RATE/SYSTEM***

MECHANICAL: **UP TO 400 MT/HR VIA CENTRAL HOPPER**

PNEUMATIC: **UP TO 250 MT/HR VIA 12" PIPELINE. VESSEL CAN LOAD BY TRUCKS PORT & STBD – 6 TRUCKS SILMUTANEOUSLY**

### ***DISCHARGING RATE/SYSTEM***

PNEUMATIC: **UP TO 250 MT/HR VIA 12" PIPE (DEPENDS ON SHORE FACILITIES BACK PRESS)**

MECHANICAL: **UP TO 300 M.T./HR TO SHORE BELT**

TRUCKS: **VESSEL HAS THE ABILITY TO DISCHARGE DIRECTLY INTO SILO TRUCK (BY BULK BOOM). 8 MINUTES 25 MT SILO TRUCK.**

*\*All figures are about*



## ***PARTICULARS***

IMO No: **8223309**

TYPE OF VESSEL: **CEMENT CARRIER (SELF - DISCHARGING)**

FLAG: **MALTA**

CLASS: **RINA**

BUILT: **1983**

BUILDER: **HIGAKI SHIPBUILDING CO. LTD**

GRT/NRT: **3.108/1.262**

D W T: **5.700 M.T.**

LOA x B x D: **97.5 x 15.5 x 7.65 (M)**

MAX DRAFT: **6.46 (M)**

MAIN ENGINE: **HANSHIN 6 EL 40 3.300 PS/240 RPM**

**DIRECT REVERSING DIESEL ENGINE**

AUX. ENG: **TYPE 3 x YAMMAR S165 L-DT 420 PS/1.200 RPM**

AUX. GENERATORS: **3 x 280 KW 450 V, 60 HZ, AC**

**CEMENT HOLDS FULL CAPACITY: 3 SEPARATE CEMENT HOLDS 4.620 CUB.M.(VSL CAN LOAD 2 DIFFERENT KINDS OF CEMENT)**

BALLAST TANK: **EPOXY COATED**

RADIO TELECOM: **GMDSS SYSTEM (BY JRC TOKYO) A1, A2, A3**

## ***SPEED/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **11.0 KNOTS/HR - 6.6 IFO 180 PLUS 1 M.T. MDO/DAY**

FULL LOAD: **10.5 KNOTS/HR - 6.6 IFO 180 PLUS 1 M.T. MDO/DAY**

### ***AT PORT***

ANCHORAGE: **0.8 M.T. MDO/DAY PLUS 0.3 M.T. BOILER (WINTER)**

LOADING: **1.6 M.T. MDO/DAY PLUS 0.3 M.T BOILER (WINTER)**

### ***DISCHARGING***

PNEUMATIC: **8.0 M.T. MDO/DAY**

MECHANICAL: **2.0 M.T. MDO/DAY**

### ***LOADING RATE/SYSTEM***

MECHANICAL: **ABOUT 600 M.T./HR**

PNEUMATIC: **BY TRUCKS**

### ***DISCHARGING RATE/SYSTEM***

PNEUMATIC: **UP TO 400 M.T./HR BY 14" IN HOSES**

**(DEPENDING ON DISTANCES AND HEIGHT OF SHORE SILO)**

MECHANICAL: **600 MT/HR INTO SHORE SILO**

### ***DISCHARGING***

**ABILITY IN LOADING TRUCKS (8-9 MINUTES PER 25MT SILO TRUCK)**

*\*All figures are about*

*\*\*Vessel has bow and stern thruster*



## ***PARTICULARS***

IMO No: **7903249**

TYPE OF VESSEL: **CEMENT CARRIER (SELF - DISCHARGING)**

FLAG: **GREEK**

CLASS: **RINA**

BUILT: **1979**

BUILDER: **KOYO DOCKYARD CO. LTD (NIPPON)**

GRT/NRT: **3.271/1.101**

D W T: **5.016 M.T.**

LOA x B x D: **86.50 x 15.70 x 8.00 (M)**

MAX DRAFT: **6.65 (M)**

MAIN ENGINE: **HANSHIN 6 LU 50 A OIL 4 SA 6 CL. 500x800 BHP 4.000 (2.942 KW) THE HANSIN DIESEL WORKS LTD**

AUX. ENG: **2 x YANMAR 6 MAL - DT - (TURBO DIESEL - 600 HP)**

**1 x YANMAR 6 KFL - T - (TURBO DIESEL - 150 HP)**

AUX. GENERATORS: **1 x 120 KW 450 V, 60 HZ, AC/2 x 370 KW 450 V, 60 HZ, AC**

CEMENT HOLDS FULL CAPACITY: **4 SEPARATE CEMENT HOLD**

**(8 SECTIONS) - 4.048 CUB. M. / VSL CAN LOAD DIFFERENT CEMENT TYPES**

BALLAST TANK: **EPOXY COATED**

RADIO TELECOM: **GMDSS SYSTEM (BY JRC TOKYO) A1, A2, A3**

## ***SPEED/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **11.0 KNOTS/HR - M.E 8.0 M.T./DAY**

**IFO 180AUX ENG 1.2 M.T./DAY MDO**

FULL LOAD: **10.5 KNOTS/HR - M.E 8.2 M.T./DAY**

**IFO 180 PLUS 1.2 M.T./DAY MDO**

### ***AT PORT***

ANCHORAGE: **AUX ENG - BOILER: 0.9 M.T./DAY - 0.5 M.T. IFO 180**

**LOADING: 2.0 M.T./DAY MDO AUX ENGINE - BOILER 0.5 M.T. IFO 180**

### ***DISCHARGING***

PNEUMATIC: **6.4 M.T./DAY IFO 180 FOR MAIN ENGINE**

**PLUS 2.6 M.T./DAY MDO AUX ENG**

MECHANICAL: **2.5 M.T. MDO/DAY MDO PLUS 0.5 M.T./DAY IFO 180 (BOILER)**

### ***LOADING RATE/SYSTEM***

MECHANICAL: **UP TO 800 M.T./HR**

PNEUMATIC: **UP TO 350 M.T./HR VIA A 16'' PILE LINE**

**\*VESSEL HAS THE ABILITY TO BE LOADED BY TRUCKS**

### ***DISCHARGING RATE/SYSTEM***

PNEUMATIC: **UP TO 400 M.T./HR BY 14'' IN HOSES**

**(DEPENDS ON DISTANCE AND HEIGHT OF SHORE SILO)**

MECHANICAL: **UP TO 600 M.T./HR INTO SHORE SILO**

### ***DISCHARGING***

**ABILITY TO LOAD SILO TRUCKS (7-8 MINUTES PER 25 MT SILO TRUCK)**

*\*All figures are about*



## ***PARTICULARS***

IMO No: **9054731**  
TYPE OF VESSEL: **CEMENT CARRIER (SELF - DISCHARGING)**  
FLAG: **MALTA**  
CLASS: **RINA**  
BUILT: **1992**  
BUILDER: **MIURA SHIPBUILDING CO. LTD OITAI JAPAN**  
GRT/NRT: **1.564 (ETC 69)/479 KOX 994**  
D W T: **2.218 M.T. ON 4.95 M**  
LOA x B x D: **78 x 12.5 x 5.65 (M)**  
MAX DRAFT: **4.95 (M)**  
MAIN ENGINE: **HANSHIN 2.000 HP (1.470 KW)**  
AUX. ENG: **YAMMAR 2 SETS 330 HP**  
AUX. GENERATORS: **2 SETS 200 KW**  
CEMENT HOLDS FULL CAPACITY: **1.806 CUB. MTRS**  
BALLAST TANK: **EPOXY COATED**  
RADIO TELECOM: **FULL GMDSS SYSTEM**

## ***SPEED/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **11.0 KNOTS/HR - 5.9 M.T./DAY IFO 120 PLUS 0.5 M.T. DO/DAY**  
FULL LOAD: **10.5 KNOTS/HR - 6.0 M.T./DAY IFO 120 PLUS 0.5 M.T. DO/DAY**

### ***AT PORT***

ANCHORAGE: **0.48 M.T./DAY DO**  
LOADING: **0.63 M.T./DAY DO**

### ***DISCHARGING***

PNEUMATIC: **6.9 M.T./DAY IFO 120 PLUS 1.6 M.T. DO/DAY**  
MECHANICAL: **1.5 M.T./DAY DO**

### ***LOADING RATE/SYSTEM***

MECHANICAL: **400 M.T./HR (ABT)/BY GRAVITY CENTRAL HOPPER**  
PNEUMATIC: **250 M.T./HR VIA A 16" PIPE LINE**

**\*VESSEL HAS THE ABILITY TO BE LOADED BY TRUCKS**

### ***DISCHARGING RATE/SYSTEM***

PNEUMATIC: **250 M.T./HR**  
**(DEPENDING ON HORIZONTAL/VERTICAL PUMPING DISTANCES ETC)**

### ***DISCHARGING***

MECHANICAL: **VESSEL HAS THE ABILITY TO DISCHARGE DIRECTLY INTO SILO - TRUCKS (BY BULK BOOM) AT ABOUT 10-12 MINUTES PER 25M/T SILO TRUCK AT DISTANCE 4.4 M FROM HER SIDE**





## ***PARTICULARS***

IMO No: **9034896**

TYPE OF VESSEL: **SELF PROPELLED BULK CARRIER**

FLAG: **GREEK**

CLASS: **RINA**

BUILT: **1991**

BUILDER: **NAUS SHIPYARD PHILIPPOU PIRAEUS**

GRT/NRT: **1714/255**

D W T: **3168**

LOA x B x D: **83.56 x 18.61 x 5.45 (M)**

MAIN ENGINE: **2 x MAN D 2842 LE - 571HP - 418KW - V12 CYL**

AUX. ENG: **2 x MAN D 2866 TE - 240 HP - 176 KW - 6 CYL**

AUX. GENERATORS: **2 x 196 KVA - 400V - 50 HZ**

CARGO HOLD: **HOPPER CAPACITY 2133.50 CUBIC METERS**

BALLAST TANK: **EPOXY COATED**

RADIO TELECOM: **GMDSS A1**

## ***SPEED/CONSUMPTIONS\****

### ***AT SEA***

BALLAST: **6.8 KNOTS/HR - 2 x M/E 1.9 M.T MGO/DAY**

FULL LOAD: **6.1 KNOTS/HR - 2 x M/E 2.0 M.T MGO/DAY**

### ***AT PORT***

ANCHORAGE: **AUX ENG. 0.22 M.T MGO/DAY**

#### ***LOADING***

MECHANICAL: **0.56 M.T MGO/DAY**

#### ***DISCHARGING***

MECHANICAL: **0.68 M.T. MGO/DAY**

#### ***LOADING RATE/SYSTEM***

MECHANICAL: **UP TO 1300 M.T./HR**

#### ***DISCHARGING RATE/SYSTEM***

MECHANICAL: **UP TO 1300 M.T./HR**

**VESSEL IS CAPABLE TO LOAD/DISCHARGE WITH SHORE POWER**