



## ***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



## ***PARTICULARS***

IMO No: 9331830  
TYPE OF VESSEL: CEMENT CARRIER (SELF - DISCHARGING)  
FLAG: CYPRUS  
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)



## **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: 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 fugures 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)



## ***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 1.8 M.T MGO/DAY

FULL LOAD: 6.1 KNOTS/HR - 2 x M/E 1.9 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