

# MV "VTC-OCEAN"

## I- PRINCIPAL PARTICULARS :

### 1- GENERAL :

OWNER'S NAME	:	VITRANSCHART JSC
KIND OF SHIP	:	BULK/LUMBER CARRIER
TYPE OF SHIP	:	FLUSH DECK WITH F'CLE &POOP
SERVICE AREAS	:	OCEAN GOING
HULL BUILDER	:	Tsunei Heavy Industries ( Cebu ) Inc.,
SHIP N <sup>0</sup>	:	<u>S.C.007</u>
SHIP'S SPEED	:	TRIAL MAX : 15.80 K'T SERVICE : 14.10 K'T
DATE OF KEEL LAYING	:	04/06/1998.
- LAUNCHING	:	09/08/1998.
- DELIVERY	:	06/01/1999.
NATIONALITY	:	VIETNAM
PORT OF REGISTRY	:	SAIGON
OFFICIAL N <sup>0</sup>	:	<u>VNSG-1933-TH</u>
NKK CLASS & N <sup>0</sup>	:	NS*, BULK CARRIER ,ESP, MNS* - NK 990330 .
VR CLASS No.	:	VR993019
CALL LETTER	:	3WYY
IMO N <sup>0</sup>	:	<u>9191046.</u>
IMN	:	<u>457443210</u>
MMSI	:	<u>574432000.</u>
WATER TIGHT DIVISION	:	6.
CONTINOUS DECK	:	1.
BRIDGE LOCATION	:	AFT .

## **2- PRINCIPAL DIMENSIONS:**

<b>LENGTH</b>	LOA: 154.38M. <u>L R = 146.13 M</u>
	LBP: 146.00M
<b>BREADTH</b>	B MAX : 26.034 M / B.MLD: 26.00M
<b>DEPTH</b>	MLD. 13.35M
<b>DRAUGHT</b>	SUMMER 9.518M
<b>FREEBOARD</b>	3867 mm
<b>LIGHT WEIGHT</b>	5,620 MT
<b>LIGHT WEIGHT MEAN DRAFT</b>	2.06 M
RADIUS OF BILGE TURN	1300 mm
DISTANCE FROM BRDG TO BOW.	128.20 m
DISTANCE FROM BRDG TO STERN.	26.15 m
TOPMAST HEIGHT	42.00 m
TOP CRANEHOUSE	32.60 m
BOW TO FWD OF No.1 HOLD	16.00 m
BRIDGE FRONT TO AFT OF No.4 HOLD	1.40 m
CRANE REST POSITION HEIGHT (HORIZONTAL) FROM MAIN DECK.	10.40 m
CARGO HOLD TANK TOP HEIGHT	1.60 m
E/R TANK TOP HEIGHT	2.05 m
TOP HATCH COVER HEIGHT FROM MAIN DECK	2.50 m

## **3- ANCHOR :**

LOCATION / TYPE	WEIGHT ( Kgs)	CABLE GRADE	DIAMETER (mm)	TOTAL LENGTH ( M)
STARBOARD ( Hall )	5900	3	58	275
PORT( Hall )	5900	3	58	275
SPARE	Nil			

## **4 - DWAT / DRFT / TPC - TONNAGE :**

SEASONS / ZONES	DWAT ( MT )	DRAFT ( M )/ FREEBOARD(mm)	TPC ( TONS )
Summer	23,492	9.5189( 3867mm)	34.20
Winter	22,817	9.320( 4067mm)	34.00
Tropical	24,171	9.716( 3669mm)	34.30

Fresh Water	23,491	9.730( 3665mm)	34.30
Tropical Fresh Water	2,156	9.928( 3457mm)	34.50
<b>Tonnage</b>		<b>Gross</b>	<b>Net</b>
International		14,762	8,075
Panama		14,762	12,378
Suez		15,057.83	13,578.53
British		N.A	N.A
<b>Panama Declaration Deadweight</b>		N.A	N.A
<b>St.Lawrent Declaration Deadweight</b>		N.A	N.A

## **5- CAPACITY**

### 5.1 CARGO HOLD :

#### 5.1.1-CARGO HOLD CAPACITY:

Location	Frames	Grain ( CM)	Bale ( CM )	Remark
N <sup>0</sup> 1 Cargo hold	138-175	6,801.70	6,519.40	
N <sup>0</sup> 1 Cargo Hatch	144-168	398.50	398.50	
		<b>7,200.20</b>	<b>6,917.90</b>	
N <sup>0</sup> 2 Cargo hold	102-138	7,36.10	7,241.40	
N <sup>0</sup> 2 Cargo Hatch	108-133	508.00	508.00	
		<b>7,872.10</b>	<b>7,749.40</b>	
N <sup>0</sup> 3 Cargo hold	66-102	7,351.40	7,238.50	
N <sup>0</sup> 3 Cargo Hatch	72-97	508.00	508.00	
		<b>7,859.40</b>	<b>7,746.50</b>	
N <sup>0</sup> 4 Cargo hold	30-66	7,351.30	7,146.80	
N <sup>0</sup> 4 Cargo Hatch	34-61	528.30	528.30	
		<b>7,879.60</b>	<b>7,675.10</b>	
Grand Total capacity		<b>30,811.30</b>	<b>30,088.90</b>	

#### 5.1.2 CARGO HOLD SIZE :

Location	Frames	Height ( m )	Length ( m )	Width ( m )	Tank top Square ( m <sup>2</sup> )
Cargo hold N <sup>0</sup> 1	138-175	11.75	28.70	Fwd : 6.70 Aft : 22.50	(Corrugated B.H Aft )
Cargo hold N <sup>0</sup> 2	102-138	11.75	28.00	22.40	(Corrugated B.H Aft)
Cargo hold N <sup>0</sup> 3	66-102	11.75	28.00	22.40	(Corrugated B.H Aft)
Cargo hold N <sup>0</sup> 4	30-66	11.75	28.70	Fwd : 22.00 Aft : 6.00	(Plain Transverse B.H)

## 5.2 – TANKS CAPACITY :

TANK NAME	LOCATION	VOLUME ( CM ) 100%	WEIGHT ( MT ) 96%
No.2 FOT ( C )	102-138	377.1	358
No.3 FOT ( C )	66-102	377.1	358
No.4 FOT ( C )	28-66	271.7	258
H.F.O SETT. Tk.(S)	21-25	8.1	8
H.F.O SERV. Tk.(S)	21-25	10.8	10
	<b>SG = 0.990</b>	<b>1,044.8</b>	<b>992</b>
No.5 - D.O.T ( P )	17-28	40.90	35
No.5 - D.O. T ( S )	17-28	38.10	33
D.F.O SETT. Tk.(S)	21-25	5.3	5
D.F.O SERV. Tk.(S)	21-25	5.9	5
	<b>SG = 0.900</b>	<b>86.70</b>	<b>78</b>
M/E L.O.SUMP. Tk ( C )	17-25	13.40	12
Cyl.Oil.Tk( S )	11-14	19.30	17
	<b>SG = 0.900</b>	<b>31.70</b>	<b>29</b>
B.O.T ( Bilge Oil Tank) - C	15-17	9.60	
B.T ( Bilge Tank ) - C	10-15	12.00	
C.W.T - C	8-10	11.00	
	<b>SG = 1.000</b>	<b>32.60</b>	
D.W.T ( P )	1-8	45.20	
D.W.T ( S )	1-8	45.20	
A.P.T ( C )	8-AE	117.00	
	<b>SG = 1.000</b>	<b>207.40</b>	
F.P.T ( C )	175-FE	671.10	693.00
No.1 W.B.T ( C )	138-175	195.9	201.00
No.1 W.B.T ( P/S)	138-175	440.30x2	902.00
No.2 S.W.B.T ( P/S)	102-138	898.90 x2	1,842.00
No.2 B.W.B.T ( P/S)	102-138	186.80x2	382.00
No.3 S.W.B.T ( P/S)-F	84-102	453.00x2	928.00
No.3 S.W.B.T ( P/S)-A	66-84	428.40x2	878.00
No.3 B. W.B.T ( P/S)	66-102	186.80x2	382.00
No.4 B.W.B.T ( P/S)	28-66	425.40x2	872.00
No.1 T.S.T ( P/S)	138-175	347.80x2	702.00
No.4 T.S.T ( P/S)	30-66	216.90x2	444.40
<b>Total : 100% Full / SG = 1.025</b>		<b>8,040.6</b>	<b>8,241.6</b>

## 5.3- STRENGTH LOAD:

- ON TANK TOP: 15.0 T/M<sup>2</sup>
- ON HATCH COVER: 3.00 T/M<sup>2</sup>.

## 5.4- HEIGHT FROM:

- WATERLINE TO HATCH COAMING WITH LIGHT SHIP + 50% F.O + D.O: 13.00 M.

## 6- CARGO HATCH / CRANES / VENTILATION / FIRE PROTECTION .

HATCH SIZE ( L x B )	N <sup>0</sup> 1 - 19.20 M x 12.72 M; N <sup>0</sup> 2 - 20.0 M x 17.52 M. N <sup>0</sup> 3 - 20.0 M x 17.52 M; N <sup>0</sup> 4 - 20.8 M x 17.52 M
HATCH COVER	FOLDING MAC.GREGOR HATCH COVER
CARGO WINCH	ELECTRIC HYDRAULIC DECK CRANES
DECK CRANES	<ul style="list-style-type: none"> <li>- Hoist Capacity : 30/12/5 TONS x 18.5/37/63 M/MIN x 360<sup>0</sup> x 0.75 RPM</li> <li>- Max / Min working radius : No.1 crane : 4~22m / No.2 ~No.4 : 4.5 ~ 24 m</li> <li>- Luffing Time: 41 Sec (No.1) – 44 Sec (No.2 ~ No.4).</li> <li>- Slewing Speed: 0.70 rpm / 0.75 rpm.</li> <li>- Work Radius: 4.0 m ~ 4.5 m.</li> </ul> <p>N<sup>0</sup>1:SWL 30TONS x 1SET.LENGTH 22M.OUT REACH= 9M  N<sup>0</sup>2:SWL 30TONS x 1SET.LENGTH 24M.OUT REACH= 11M  N<sup>0</sup>3:SWL 30TONS x 1SET.LENGTH 24M.OUT REACH= 11M  N<sup>0</sup>4:SWL 30TONS x 1SET.LENGTH 24M.OUT REACH= 11M</p>
PROVISION CRANE	400 m <sup>3</sup> x 30 mmAq (5.50Kw) x 4 Sets. Elect. Motor Driven. Davit Type. SWL: 1.0 Ton X 15 m/min. Outreach:
HOLD VENTILATION	1.08m (Portside location). MECHANICAL & NATURAL.
CARGO HOLD FIRE PROTECTION	VENT FANS: 400 m <sup>3</sup> x 30 mmAq (5.50Kw) x 4 Sets. SEA WATER ONLY.
BILGE &BALLAST PUMP	HEISHIN PUMP WORKS – CENTRIFUGAL PUMP RV-280J – 440V/88A/60HZ / 55KWx 1755 RPM – 400~90 M <sup>3</sup> /H –TOTAL HEAD :
FIRE & G/S PUMP	20~60M – ONE SET. HEISHIN PUMP WORKS – CENTRIFUGAL PUMP RV-280J – 440V/88A/60HZ / 55KWx 1755 RPM – 400~150~90 M <sup>3</sup> /H –TOTAL HEAD :
BILGE PUM	20~~35 ~60M – ONE SET. HEISHIN PUMP WORKS-PISTON PUMP HP-2A – 440V/3.5A/60HZ / 15KW x 1135 RPM –2 M <sup>3</sup> /H –TOTAL HEAD : 30 M – 01 SET

## 7- MACHINERY :

MAIN ENGINE	MITSUI-MAN B&W7S35MC (MARK-V1) - ENG. N <sup>o</sup> x 1 SET. MCO : 7,050 PS ( 5,185 KW ) x 173 RPM CSO : 6,345PS ( 4,666 KW ) x 167 RPM CYLINDER : 7 x 350 mm BORE x 1400 mm STROKE
DIESEL GENERATOR	YANMAR TYPE 6N18L -UN. 600 PS(441KW) x 720 RPM x 2 SETS CYLINDER : 6x 180mm BORE/ 280 mm STROKE GENERATOR CAPACITY : 500 KVA (400KW) x 450V X 60Hz x 3 PHASES 6 CYL DIESEL ENGINE AIR COOLING TYPE. NISHISHIBA MAKER, 100 KVA (80 KW) 450V/ 60 Hz / 3 Phases.
PROPELLER & SHAFT	AEROFOIL - 4 BLADES SOLID R-HANDED x 1 MATERIAL : NI - AL - BRONZE DIA x PITCH : 4,400 MM x 2,732 MM DIA OF PROPELLER SHAFT :
FUEL OIL CONSUMPTION	H. FUEL OIL : ABT 19.4 ~ 20.4 MT-380 CST (85% C.S.O) DIESEL OIL : ABT 0,8 MT & 0.8 MT of FO (PER ONE AUX. ENGINE) CARGO HANDLING:1.5MT IFO + 1.5 MT MDO BERTHING : 0.7 MT IFO + 0.7 MT MDO

**II- LIST OF SURVEY STATUS :(Updated 23.01.2009) .**

**1- CLASS SURVEY (HULL AND MACHINERY):**

	<u>DUE/RANGE DATES</u>	<u>POSTPONED</u>	<u>LAST DATE</u>
SS SPECIAL SURVEY	<b>05/01/2014</b>		<b><u>01/08/2008</u></b>
IS INTERMEDIATE SURVEY	<b>05/10/2010 ~ 05/04/2011 05/10/2011~ 05/04/2012</b>		08/02/2007
AS ANNUAL SURVEY	<b><u>05/10/2009 .</u></b>		<b><u>23/10/2008 .</u></b>
DS DOCKING SURVEY CONTINUOUS	<b>31/07/2011</b>		<b><u>01/08/2008</u></b>
CMS MACHINERY			
TS TAILSHAFT SURVEY	<b>31/07/2013</b>		<b><u>01/08/2008</u></b>
ABS AUX. BOILER SURVEY	<b>31/07/2011</b>		<b><u>01/08/2008</u></b>

**2- CARGO GEAR SURVEY (LIFTING APPLIANCES)**

-LAQC CERTIFICATION .	<b>31/07/2013</b>	<b>01/08/2008</b>
-LAAC CERTIFICATION .	<b>31/07/2009</b>	<b>01/08/2008</b>
-LOAD TEST.	<b>31/07/2013</b>	<b>01/08/2008</b>

### **3- STATUTORY CERTIFICATE**

	<u>EXPIRY DATE</u>
REG.	
CLASS.	
TN .	
LL .	
SC .	
SE .	
SR .	
IOPP .	
SPP .	
APP .	
DOC .	
SMC .	
ISSC .	
SW .	

### **4- OTHER EQUIPMENT :**

<b>4.1 LIFE SAVING EQUIPMENT :</b>	<b>Date of Service / Expired</b>
- LIFE BOATS : FREEFALL x 25 Persons	Loadtest :
RESCUEBOAT x 06 Persons	AS :
- LIFE RAFT : 25 Persons Capacity	AS :
06 Persons Capacity	
<b>4.2 FIRE FIGHTING EQUIPMENT :</b>	
- FIXED CO 2 SYSTEM : 48Btl x 45.4 Kgs	Weighed : MAY/2007
- PORTABLE FIRE FIGHTING EXTINGUISHER ( CO2: 6+1 / Foam : 20 +1 /Dry Chem.	AS :
: 8+1 )	AS :
-EEBD / BA ( 9 Pcs)	AS :
- GAS DETECTOR	AS :
-SMOKE DETECTOR: OKI . FF – 3062	
- OXYGEN	AS :
<b>4.3 NAVIGATIONAL EQUIPMENT :</b>	
- Auto Pilot: TOKIMEC. PR 8267 –E-V13. SN : 9481G	
- Gyrocompass : TOKIMEC TG - 6000 . SN : 61271	
- Marine Radar :	
Tokimec BR-3440MA-X59 .SN:2201	
Tokimec BR-2510C-27.SN: 1309	
- Doppler Speed Log: Tokimec TD-501.	
-Mag.Commpass: Tokimec SH-165A.	
-Echo Sounder : JRC , JFE-570S S.N : HD32148	

