

# M.T ONENESS - Particular

Gross Tonnage : 5,315 Ton  
 Net Tonnage : 2,488 Ton  
 Full Load Disp. : 11,724.80 MT  
 Dead Weight : 8,511.74 MT  
 Light Weight : 3,213.06 Ton  
 Cargo Full Cap'y : 8,881.142 KL  
 IMO Nos. : 9170951  
 Length (L.O.A) : 121.35 M  
 Length (Reg.) : 112.40 M  
 Length (L.P.P) : 112.40 M  
 Breadth (Mld) : 17.20 M  
 Depth (Mld) : 9.80 M  
 Draft - Summer (Full) : 8.032 M  
 - Tropical (Full) : 8.100 M  
 - Multi : N.A

Full Load : df 7.36 M, da 8.71 M TPC 16.52  
 Light Load : df 0.65 M, da 4.46 M TPC 14.43  
 Ballast Con. : df 3.84 M, da 7.47 M TPC 15.39

**COT : KSUS316L Clad + KSUS 136L (S.G 1.85)**

## C.O.T Capacity (M<sup>3</sup>)

Tank Name	P / S	Total
NO.1 COT (Slop)	454.916 / 454.916	909.832
NO.2 COT	429.823 / 437.095	866.918
NO.3 COT	653.458 / 660.236	1,313.694
NO.4 COT	573.574 / 573.574	1,147.148
NO.5 COT	659.476 / 666.568	1,326.044
NO.6 COT	559.950 / 559.950	1,119.900
NO.7 COT	632.140 / 632.140	1,264.280
NO.8 COT	466.663 / 466.663	933.326
<b>Total</b>		<b>8,881.142</b>

## B.W.T Capacity (M<sup>3</sup>)

Tank Name	P / S	Total
NO.1	331.26 / 331.26	662.520
NO.2	390.75 / 390.75	781.500
NO.3	392.91 / 392.91	785.820
NO.4	356.12 / 356.12	712.240
<b>Total</b>		<b>2,942.080</b>

## F.W.T Capacity (M<sup>3</sup>)

Tank Name	P / S	Total
F.P.T (C)	186.80	186.80
T/C FWT (C)	176.08	176.08
A.P.T (F)	141.75	141.75
A.P.T (A)	64.60	64.60
NO.1 F.W.T P/S	23.16 / 23.16	46.32
<b>Total</b>		<b>615.550</b>

## L.O Capacity (M<sup>3</sup>)

LOST (C) : Double Bottom	10.14
LORT (C) : Double Bottom	10.89
L.O Sett. : Settling	11.05
Cyl. O.T : Settling	12.57

**OWR : Shipman Co., Ltd**

**Tech. Manager :**

**Saehan Marine Service Co., Ltd**

#1003, Kukje O/T, 263, Jungang-Daero, Dong-Gu, Busan, Korea

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E-mail : [smcs@smcs.co.kr](mailto:smcs@smcs.co.kr)

Signal Letter : D7SM

Official Nos : BSR-110112

Port of Registry : Busan

Going Area : Ocean (A1+A2+A3)

Complement : 25P

(Office 10P, Crew 11P, Other 4P)

Class : KR

Tanker Molasses or Oil F.P. Below 60 °C

KRS1 OIL/CHEMICAL TANKER (DOUBLE HULL)

'ESP' (FBC) PRODUCT/II & III 2G 1.85SG

CLEAN1 ERS LI

Type of Body : Double Hull

Max. Loading Rate : 502 m3/h/tank

Venting Rate : 628 m3/h/Tank

## Eng. Spec.

Main Engine : MAKITA B&W 6L35MC

5,280PS (3,328KW) x 210 RPM

Aux. Engine : YANMAR Diesel S165L-ST

540PS x 1,200 RPM x 3 Set

Aux. Gen. : Taiyo Dennki, TWY-388-6

AC445V x 450KVA x 3 Set

Em'cy Gen : MITUI DOITU , F3L912

AC445V x 30KVA x 1 Set

Aux. Boiler : MIURA, VWN-13500WE 13,500Kg/h

Exh. Boiler : MIURA, KF116M-1 600Kg/h (M/E 90%)

## Cargo Pumps

FRAMO Submerged Power Pack (200KW x 3 Set)

No.1~2(P/S) : 150m3/h x 4 Set (SD125)

No.3~6(P/S) : 200m3/h x 8 Set (SD125)

No.7~8(P/S) : 300m3/h x 4 Set (SD150)

Portable Pump : 70m3/h x 2 Set (TK-80)

## Deck. Machinery

Windlass : AZUMA , A-OH-15W-K

15/7.5T x 12/24m/min x 2 Set

Mooring Winch : AZUMA , A-GH-7.5DW

7.5/3.8T x 15/30m/min x 2 Set

Howser Winch : AZUMA , A-GH-7.5DW

7.5/3.8T x 15/30m/min x 6 Set

Spring Winch : AZUMA , A-GH-5SW

5T x 20m/min x 1 Set

Hose Crane : MANSEI , RD-09130HL

0.9T x 15m/min x 1 set

## Diesel Oil Capacity (M<sup>3</sup>) : M.G.O ~ M.D.O

Tank Name	P / S	Total
No.1 F.O.T (C)	21.14	21.14
No.2 F.O.T	20.48 / 27.88	48.36
		69.50

## FUEL Oil Capacity (M<sup>3</sup>) : IFO-180 ~ HFO-380

Tank Name	P / S	Total
No.3 F.O.T	181.41/181.41	362.82
No.4 F.O.T	116.21/110.41	226.66
		589.48

## Bilge Oil Capacity (M<sup>3</sup>)

Tank Name	P / S	Total
B.O.T (C)	15.78	15.78

F.W Generator :

ISF-70 (15.0 ton/day) , IL Seung

Keel Laid : 30th Mar. 1997

Launched : 06th Sep. 1997

Finished (Delivered) : 28th Nov. 1997

## Ship's Builer

Kurinoura Dockyard / Miyoshi

Shipping (Ship Nos : 314)

Type of Hull : Single deck Type "A"

Type of Stem : Bulbous Bow

Type of Stern : Cut Stern

Sheer : 1.890m (FP) , 0.656m (AP)

Camber : 0.300m (Upper Deck)

Cb : 0.736 (d=8.032m)

Rise of Floor : 0.200m

Rudder (Semi Balanced Type)

Rudder Area : 17.168 m2

Balance Ratio : 0.286

Area Ratio : 1 / 53.03

Tiller Dia :  $\phi$  275 mm

Propelle (Fixed Pitch, 4 Blade) Kamome

Dia = 3,700 mm , Pitch = 2,400 mm

Bow Thruster (TCA-80WN) Kamome

544 KW x  $\phi$  1,470 mm

Sterring Gear (TCA-80MV) Kawasaki

26 t-m x 7.5 KW x 2 Set

ODME System (Oilcon MK-5) Sumitomo

Type Approval No. N-506(NK)

Bow Submerged : 2.25 M

Propeller Submerged : 4.50 M

## Nav. & Radio Apparatus (GMDSS)

Gyro Compass : TG-6000 , Tokimec

Mag. Compass : SH-165A , Tokimec

Auto Pilot : PR-2602 , Tokimec

Speed Log : ELM-500 , Yokogawa

Wind Indicator : MM-30 , Nippon EL

Echo Sounder : FE-680T-1 , Furuno

Radar (Sub) : FR-2120-3A , Furuno

Radar (Main) : FAR-2127 , Furuno

VHF : STR-60000A (2 Set) , Samyung

MF/HF Radio : FS-2550 , Furuno

Inmarsat C : Felcom-18 (SSAS) , Furuno

Inmarsat C : Felcom-12 , Furuno

Navtex Receiver : SNX-300 , Samyung

EPIRB : SEP-500 , Samyung

Two-way VHF : SYV-160 (3set) , Samyung

ECDIS : FMD-3300 , Furuno

S-VDR : VR-3000-6G , Furuno

BNWAS : BNW-50 , Samyung

AIS : SI-30A , Samyung

Radar Transponder : Tron SART20

Weather Fax : SFAX-500 , Samyung

SSB Radiotelephone : IC-M710 , I-Com

Citadel System : OCEANA-800

MVSAT (Main) : V100GX , Intellian

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