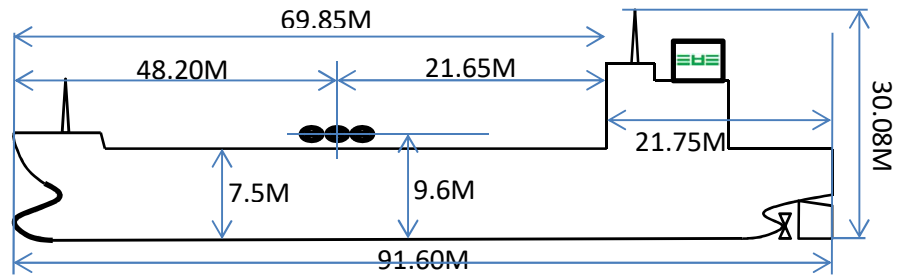


NAME	SUNRISE SAMBU	KEEL LAID	20 <sup>TH</sup> FEB. 2004
CALL SIGN	D S N R 6	LAUNCHED	21 <sup>ST</sup> MAR. 2004
FLAG	KOREA	DELIVERED	19 <sup>TH</sup> JUL. 2004
PORT OF REGISTRY	JEJU	SHIPYARD	NOKBONG SHIPBUILDING CO.,LTD
OFFICIAL NUMBER	JJR-040933		
IMO/LLOYDS NUMBR	9288007		
CLASS SOCIETY	KOREAN REGISTER		
CLASS NOTATION	+KRS1 - OIL/CHEMICAL TANKER(DOUBLE HULL)(EXP)'ESP'(FBC) PRODUCT/II 2G/1.6SG(IBC) +KRMI - BWE BWT VEC1		
P & I CLUB	JAPAN P & I		
OWNERS	SAMBU SHIPPING CO.,LTD		
OPERATORS	SAMBU SHIPPING CO.,LTD		

PRINCIPAL DIMENSIONS	
LOA	91.60 M
LBP	84.04 M
BREADTH (Extreme)	14.20 M
DEPTH (moulded)	7.50 M
HEIGHT (maximum)	30.08 M
BRIDGE FRONT - BOW	69.85 M
BRIDGE FRONT - STERN	21.75 M
BRIDGE FRONT - M'FOLD	21.65 M



TONNAGE	REGD		
NET	1,185		
GROSS	2,748		
LOAD LINE INFORMATION	FREEBOARD	DRAFT	DWT
TROPICAL	5.911	5.934	
SUMMER	5.790	5.813	3613.240
WINTER	5.669	5.692	
SEG. BALLAST COND N			
light ship		1,735.714	
DWT WITH SBT ONLY			
FWA @ Summer draft		124mm	
TPC @ Summer draft		10.76	

TANK CAPACITIES ( cbm )					
CARGO TANKS (98 %)				BLST TKS (100 %)	
1C	417.499	F.W Tanks 100%		FPT(C).	79.891
2Ws	896.295	BOILER W.T	N/A	WBT 1(C)	221.994
3Ws	938.157	TCFW TK (P)	N/A	WBT 2Ws	336.894
4Ws	938.899	TCFW TK (S)	N/A	WBT 3(C)	321.318
5Ws	900.115	C.W.T.	203.00	WBT 4Ws	321.689
Slop C	134.254	FW General (P)	N/A	WBT 5(C)	337.424
		DRINKING W.T.(W)	96.95		
		DIST. W.T.(S)	N/A		
TOTAL	4225.219	TOTAL	302.00	TOTAL	1619.210
OTHER DETAILS					
H. Level Alarm	95%	Independent	HANLA		
Overfill Alarm	98%				

MACHINERY / PROPELLER / RUDDER	
MAIN ENGINE	HANSIN DIESEL LH41L
M.C.R	3300PS x 225RPM
N.C.R. (75%)	2805HP x 204RPM
MAX CRITICAL RANGE	140-170 RPM
AUX. BOILER	MIURA 4,000Kg/h, 10KG
GENERATOR (3 sets)	CATERPILLAR/462HP/344KW
EMER.D.G.	N/A
PROPELLER	5BLADES FIXED RITCH PROPELLER
RUDDER	?
STEERING GEAR	SK-EHSG-S100V
FW GENERATOR CAP	N/A
BOW THRUSTER	N/A

CARGO AND BALLAST PUMPING SYSTEM				
MAIN PUMPS	NO.	CAPACITY	HEAD	RPM
CARGO Framo	10	200	110	
BALLAST Framo	1	300	25	
TANK CLNG Framo	1	80	100	

BUNKER TANKS	
1 FOT (P)	60.79 m <sup>3</sup>
1 FOT (S)	60.79 m <sup>3</sup>
2 FOT(C)	43.54 m <sup>3</sup>
2 FO (S)in	N/A
2FO(S)out	N/A
FO SETT	8.51 m <sup>3</sup>
FO SER	17.02 m <sup>3</sup>
LSFO sett	N/A
LSFO Serv	N/A
FO OFLOW	5.18 m <sup>3</sup>
TOTAL	195.83 m <sup>3</sup>
D.O.T(P)	29.02 m <sup>3</sup>
D.O.T(S)	32.09 m <sup>3</sup>
1 D.O SER	2.63 m <sup>3</sup>
2 D.O SER	2.80 m <sup>3</sup>
D.O SETT	2.72 m <sup>3</sup>
D.O TOTAL	69.26 m <sup>3</sup>

WINCHES / WINDLASS / ROPES / EMERGENCY TOWING			
	FWD	AFT	PARTICULARS
WINCHES	4 (d.drm)	4 (d.drm)	
ROPE	6	6	200m
Winch BHC	4	4	15.0mt
WINDLASS	2	NIL	
FIRE WIRE	1	1	Owner supply
ANCHOR	2	0	Stbd 9 shackles / Port 8 shackles
EMG.TOWING	NO	NO	Anchor chain: 40 mm
	N/A	N/A	

MANIFOLD ARRANGEMENT	
Distance of cargo manifold to cargo manifold	P:1900mm S:3700mm
Distance of cargo manifold to vpr. return manifold	P:3290mm S:3270mm
Distance of top of rail to centre of manifold	2,120mm
Distance of manifold to ship side	2,500mm
Distance of manifold from keel	7.60m

## PRINCIPAL PARTICULARS

CARGO HOSE CRANES		LIFE BOATS	FIRE FIGHTING SYSTEM	
1 Set X 0.9T		2 x 16 Persons	E/RM	CO2,WATER MIST
			PUMP ROOM	CO2
		Type: JYN 50F	CARGO/DK AREA	LOW EXPANSION FOAM
		TOTALLY ENCLOSED TYPE		
IG / VAPOR EMISSION / VENTING				
IG BLOWER CAPACITY	N/A			
P/V VALVE PR./ VAC. SETTING	0.2100/-0.035kg/cm <sup>2</sup>	Min Bow Drft: N/A		
		Blst Drft:F 3.39m, A 5.17m		
		MARPOL Trim: ?		
		Propeller Immer.: 5.40m		