M.V. **SELENDANG AYU**

HULL NO.: H1240A

CLASS NO.: 9835300

SHIP'S PARTICULARS

OWNER: AYU NAVIGATION SDN. BHD.

(HULL PART)

GENERAL

OFFICIAL NO.	:	328266
CALL SIGN	:	9 M C T 5
PORT OF REGISTRY	:	MALAYSIA
BUILDER	:	HU DONG SHIPYARD SHANGHAI CHINA
DELIVERED	:	25-Jan-98
TYPE	:	BULK CARRIER
IMO NUMBER	:	9145528
CLASS	:	ABS

PRINCIPLE DIMENSIONS

L.O.A.	:	225.00m
L.B.P.	:	217.00m
B.	:	32.26m
D.	:	19.20m

TONNAGE

	GT	NT
REGISTER	39,755	25,379
PANAMA CANAL		32,867.46
SUEZ CANAL	41,200.74	37,061.59

DISPLACEMENT & DEADWEIGHT

	DRAFT(m)	DISPLACEMENT
TROPICAL	14.63	89,605 KT
SUMMER	14.018	85,501 KT
WINTER	13.726	83,552 KT
LIGHTSHIP		

NAUTICAL INSTRUMENTS

MAGNETIC COMPASS	: TOKIMEC SH-165A REFLECTOR TYPE	X1
GYRO COMPASS	: TOKIMEC PR-6562-EO-SS2	X1
AUTO PILOT	: TOKIMEC PR-6000E	X1
RADAR (NO. 1)	: JRC JMA-9253-9 (X-BAND)	X1
RADAR (NO. 2)	: JRC JMA-9303-CA (S-BAND)	X1
DIR. FINDER	: JRC JLD-20A	X1
ECHO SOUNDER	: JRC JFE-570S	X1
DOPPLER LOG	: FURUNO DS-70	X1
PUBLIC ADD. SYS.	: JRC 100W OUTPUT NVA-181CMKIIB2	X1
ENG. TELEG.	: NABCO MT-800	X1
GPS NAV.	: JRC JLR-6800	X1
FACIMILE RECORDER	: FURUNO FAX-208	X1
COURSE RECORDER	: TOKIMEC CR-4	X1
RUDDER ANGLE IND.	: ULSTEIN TENFJORD SELSYN	X1
AIR HORN	: IBUKI KOGYO A200ESH	X1
SPARE BOWL	: TOKIMEC CARD DIA 165mm	X1
WINDOW WIPER	: WILL TRUST STRAIGHT LINE TYPE	X1

WIRELESS INSTRUMENTS

MAIN TRANS.	:	JRC JSS-710	X1
MAIN RCVR.	:	JRC NRD 740	X1
V.H.F.	:	JRC JHS-32A	X1
VHF DSC RCVR	:	JRC NRD-720	X1
CONTROLLER	:	JRC NCH-700	X1
DATA TERMINAL	:	JRC NWZ-700A	X1
WATCHKEEP RCVR.	:	JRC JXA-8A	X1
NAVTEX RCVR.	:	JRC FAX-208 MARK2	X1
RADAR TRANSPONDER	:	JRC JQX 20A	X1
406MHz SAT. EPIRB	:	JRC JQE 3A	X1
INMARSAT B		JRC JUE 300B1	X1
INMARSAT C		JRC JUE 75A	X1

DECK MACHINERY

STEERING GEAR	ULSTEIN RV1350-3	X1
WINDLASS	ULSTEIN BFM63078	X2
MOORING WINCH	ULSTEIN W/M63.015	X4
DECK CRANE	TSUJI 30 TONS X 28 M/R	X4

LIFE SAVING

LIFE BOAT:	32 PERSONS X 2 SETS
LIFE RAFT:	15 PERS X 2 SETS, 20 PERS X 2 SETS
LIFE RAFT:	6 PERS X 1 SET

FIRE FIGHTING APPARATUS

ENGINE RM.	: CO2 FIRE EXTINGUISHING SYSTEM
CARGO HOLD	CO2 & SMOKE FIRE EXTINGUISHING SYSTEM
ACCOMMODATION	PORTABLE FOAM FIRE EXTIGUISHER
EXPOSED DECK	S.W. SPRAY NOZZLE
PAINT STORE	S.W. SPRAY NOZZLE
RADIO OFFICE	PORTABLE DRY POWDER FIRE EXTIGUISHER
EM'CY FIRE PUMP	KVAERNER 72m3/H X 75m
SMOKER INDICATOR	IONIC TYPE & THERMAL TYPE

VENTILATION

LIVING QUARTER	VIKING 11kw x 1,800 rpm	X1
ENGINE ROOM	KUBOTA KOGYO 7.5kw x 1,170rpm	X4

(ENGINE PART)

MAIN ENGINE

MAKER	:	MAN B & W	X 1
TYPE	:	6S60MC	
PS X RPM	:	11542 BHP X 89RPM	
TURBOCHARGER	:	VTR 564 - 21	

SPEED

TRIAL SPEED :	14.87 KNOTS
SERV. SPEED :	14.55 KNOTS
ENDURANCE :	25,000 SEA MILES

CONSUMPTION

SEA	AVG. F.O. FOR M/E	36.6 MT/DAY
	AVG. F.O. FOR G.E.	2.2 MT/DAY
	AVG. F.O. FOR BOILER	NIL
PORT	AVG. D.O. FOR G.E (LOADING)	4.0 MT/DAY
	AVG. D.O. FOR G.E.(IDLE)	0.1 MT/DAY
	AVG. F.O. FOR M/E	1.0 MT/DAY

F.O. GRADE

H.O. :

D.O. :

GENERATORS & ENGINE

MAKER	:	DAIHATSU	X 3
TYPE	:	5DK-20	
PS X RPM	:	780 PS X 720 RPM	
GEN.T/C	:	EBC-IHI TYPE MODEL RH143	

AUX. BOILER

MAKER	:	AALBORG BOILER	X 1
MODEL	:	COMPOSITE	
TYPE	:	AQ - 16	
STEAM PRESSURE	:	7 KG/CM2.G	
CAPACITY	:	1,200/1,500 KG/HR	

E.G. BOILER

MAKER	:	AALBORG BOILER
MODEL	:	1200KG/H

AUX. MACHINERIES

MAIN AIR COMPRESSOR	:	SPERRE HV 2/210
AUX AIR COMPRESSOR	:	SPERRE HV 1/140
EMERG. AIR COMPRESSOR	:	SPERRE HLF 2/77
HFO PURIFIER	:	ALFA LAVAL MFPX 307
DO PURIFIER	:	ALFA LAVAL MMPX 304
LO PURIFIER	:	ALFA LAVAL MOPX 205
BALLAST PUMP	:	KVAERNER CAD350-12V48 AAN
MAIN COOL SW P/P	:	KVAERNER CGC 150V 48 BAN
AUX COOL SW P/P	:	KVAERNER CGC 125V 48 BAN
MAIN COOL F.W. P/P	:	KVAERNER CGB 100V
FIRE AND GS P/P	:	KVAERNER FE2V-200E
BILGE AND G.S.PUMP	:	KVAERNER FE2V-200E
BOILER FEED P/P	:	AALBORG SUNROD CR2-110
OILY BILGE P/P	:	KVAERNER PM20
SLUDGE P/P	:	KVAERNER EL 164
AIR COND SWC P/P	:	KVAERNER , 1750 RPM
EMERG. FIRE P/P	:	KVAERNER CGA65V 48 BAN C/W VK
MAIN L.O. P/P	:	KVAERNER V 7.2 ZI-94
M/E CAMSHAFT L.O P/P	:	KVAERNER R45/80 FL-Z-DB-GLRD(U)-SO
M/E F.O. SUPPLY P/P	:	KVAERNER R35/31.5 FL-Z-DB-GLR(U)-SO
M/E F.O. CIR. P/P	:	KVAERNER R35/63 FL-Z-DB-GLRD(U)-SO
F.O. TRANSFER P/P	:	KVAERNER R65/315 FL-Z-DB-GLRD(U)-SO
D.O. TRANSFER P/P	:	KVAERNER R45/100FL-Z-DB-GLRD(U)-SO
L.O. TRANSFER P/P	:	KVAERNER R35/63 FL-Z-DB-GLRD(U)-SO
STERN TUBE L.O. P/P	:	TAIKO KIKAI, NHG-1 1200RPM
FRESHWATER P/P	:	KVAERNER SOB 222W G2V.10
DRINK WATER P/P	:	KVAERNER CH12-40
HOTWATER CIR P/P	:	KVAERNER CH12-20
CHEMICAL CLEANING P/P	:	KVAERNER CR2-30
S.W.PUMP	:	KVAERNER SOB 222W G2V.22
G/E PRIMING L.O P/P	:	DAIHATSU DK-20
G/E COOLWATER PRIMING P/P	:	DAIHATSU DK-20
G/E FO SUPPLY P/P		IMO ACE025L2T4E
E.R. SUPPLY FAN		KUBOTA KOGYO KFW-95B
MAIN AIR RESERVOIR		JIANGSU HAILU BOILER 6 M3
SERVICE AIR RESERVOIR	:	JIANGSU HAILU BOILER AO 5-10
M/E F.W.COOLER		APV K34MGS-10/2
M/E L.O. COOLER		APV K34MGS-10/3
M/E F.O HEATER		AALBORG SUNROD KK M6L7 X 40-250A
M/E F.W. HEATER	:	NANTONG MARINE MACHINERY PLANT 4M2
F.W.GENERATOR	:	APV H30-EC APV NO.83161125/95149
G/E F.O. HEATER	:	ALFA LAVAL HEATPAC CBM78-20
G/E F.O. COOLER		MPV H12 MG-10/1
CALORIFIER	:	1m3
STERN TUBE L.O. COOLER	:	JMT LCH 2F-1.5B57T10
CONDENSOR		NANTONG MARINE MACH PLANT 15M2
AIR COM. F.W. COOLER	:	NANTONG MARINE MACH PLANT 6.5M3
CON.AIR.DEHUMIDIFIER	:	NANKISON 8055 50M3/H
OILY BILGE SEPARATOR		BLOHM+VOSS AG TURBULO-TCS 2.5 HD
INCINERATOR		TEAMTEC-GOLAR GO120
VISCOSITY CONTROLLER		NAKAKITA SEISAKUSHO 97K 3014
M/E CJC FILTER		AMEROID JAPAN CJC YS-200
G/E CJC FILTER		AMEROID JAPAN CJC HDU 38/100
M/E F.O. AUTOBACK FLUSH FILTER		NANTONG MARINE 6.50 ND 1001
M/E F.O. AUTOBACK FLUSH FILTER	:	NANTONG MARINE 6.33 ND 250 + 5445
ANTI-FOULING MGPS	:	WILSON WALTON AM1158
E/R CRANE		DREGGEN SWL 5T
UNIVERSAL MACHINE		NANTONG MARINE QN6004
ELECT.ARC WELDER		UNITOR UWI-350 MP
GAS WELDER		UNITOR 6 CYL 2 AC+40X
ECR UNIT COOLER		DAIKIN US5GE 17.0 KW

CARGO HOLD CAPACITY & SIZE

HOLD NO.	CAPACITY (M^3) GRAIN	BALE	L.C.G.(m)	V.C.G.(m)
NO.1	11038.3	9713.7	195.43	11.35
NO.2	13180.3	11598.7	171.41	10.7
NO.3	13215.8	11629.9	145.63	10.59
NO.4	13215.7	11629.8	119.83	10.59
NO.5	13215.8	11629.9	94.03	10.59
NO.6	13215.8	11629.9	68.23	10.59
NO.7	12348.3	10866.5	42.91	10.88
TOTAL	89430	78698.4	118.52	10.74

HATCH & CARGO GEAR

HATCH NO.	HATCH SIZE L X B	CARGO HANDLING EQUIPMENT
NO.1	14620 X (6755X2)	
NO.2	14960 X (7655 X 2)	
NO.3	14960 X (7655 X 2)	
NO.4	14960 X (7655 X 2)	
NO.5	14960 X (7665 X 2)	
NO.6	14960 X (7655 X 2)	
NO.7	14960 X (7655 X 2)	

TANK CAPACITY

TANK NAME	VOLUME (M3)	100% FULL (MT) S.W. S.G.1.025	F.W. S.G 1.000	96% FULL (MT) F.O. S.G 0.98	D.O. S.G 0.85	L.O. S.G 0.92
FORE PEAK TANK	1521.9	1559.9				
NO.1 W.B.T. (P/S)	2 X 632.9	2 X 648.7				
NO.2 W.B.T. (P/S)	2 X 1494.8	2 X 1532.1				
NO.3 W.B.T. (P/S)	2 X 1641.1	2 X 1682.1				
NO.4 W.B.T. (P/S)	2 X 1158.1	2 X 1187.1				
NO.1 TST (P/S)	2 X 505.0	2 X 517.6				
NO.2 TST (P/S)	2 X 1398.4	2 X 1433.4				
NO.3 TST (P/S)	2 X 1394.9	2 X 1429.7				
NO.4 TST (P)	1373.3	1407.6				
NO.4 TST (S)	953.2	977				
H.B.C.T.	420.1	430.6				
AFT PEAK TANK	375	384.4				
NO.2 CARGO HOLD	6590.1	6754.9				
NO.4 CARGO HOLD	13215.7	13546.1				
TOTAL	40,899.70	41,922.20				
NO.1 F.O.T.	870.4			853		
NO.2 F.O.T.	533			522.3		
NO.3 F.O.T.	474.9			465.4		
NO.4 F.O.T. (P)	266.4			261.1		
NO.4 F.O.T. (S)	175.6			172.1		
F.O.OVERFLOW TK	24.5			24		
F.O. SERV. TK.	36.1			35.3		
F.O. SETT. TK.	50			49		
TOTAL	2430.9			2382.3		
D.O.T(P)	80.4			70.8		
D.O.T(S)	52.3			46.1		
D.O. SERV. TK	17.1			15.1		
D.O. SETT. TK	18.2			16		
TOTAL	168			147.8		
MISCELLANEOUS TANK						
COOLING WATER TK	17.3		17.3			
BILGE TANK	26.1		26.1			
OILY WATER TK	52.3		52.3			
BOILER FEED W TK	12.5		12.5			
LUB OIL SUMP TK	20.2					18.6
LUB OIL SERVICE TK	23.8					21.9
G/E L.O.TK	17.3					15.9
NO.1 CYL OIL STO TK	15.6					14.3
NO.2 CYL OIL STO TK	15.6					14.3
TOTAL	220.3					

PROPELLER, STERN TUBE & RUDDER

PROPELLER	NAKASHIMA PROPELLER JAPAN KEYLESS PROPELLER 4 BLADES PAI TYPE 20° SKEWED
STERN TUBE	JAPAN MARINE TECHNOLOGIES STERNGUARD MARK II 600
RUDDER	HUDONG SHIPYARD NACA0020 PROFILE