

LAMPIRAN 9

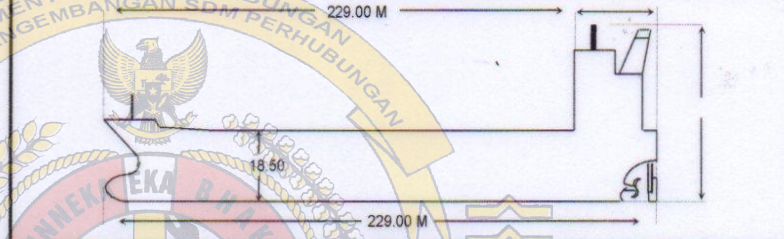


PT. KARYA SUMBER ENERGY SHIP'S PARTICULARS

NAME	MV ENERGY MIDAS	KEEL LAID	10-Feb-98	SATELLITE COMMUNICATION	
CALL SIGN	3 F R U 8	LAUNCHED	29-May-98	INM-C 435560713	
FLAG	PANAMA	DELIVERED	4-Sep-98	E-MAIL	energy.midas@fio.onsatmail.com
PORT OF REGISTRY	PANAMA	SHIPYARD	MITSUI ENGINEERING & SHIPPING CO LTD	PHONE	(007) 870 7739 90800
OFFICIAL NUMBER	27416-PEXT-1	HULL NO	1455	FAX	
IMO NUMBER	9164691			TELEX	
CLASS SOCIETY	NK			MMSI	355907000
CLASSIFICATION CHARACTER	NS*(BULK CARRIER)(ESP)MNS*			EX. NAME	MV ENERGY ANGEL
P & I CLUB	AMERICAN STEAMSHIP			CS / FLAG	PANAMA

OWNERS	FIORENZA PTE LTD		
OPERATORS	PT KARYA SUMBER ENERGY, JL KALI BESAR BARAT NO 37 JAKARTA BARAT - 11230 INDONESIA +62216910382, PIC SUHAFRINAL, MOBILE PHONE +6281381699009, EMAIL suha@indoshipping.com, dpa.kse1@gmail.com		TLP

PRINCIPAL DIMENSIONS	
LOA	229.00 M
LBP	218.00 M
BREADTH	36.50 M
DEPTH (molded)	18.50 M
HEIGHT (maximum)	47.25 M
BRIDGE FRONT - BOW	196.75 M
BRIDGE FRONT - STERN	32.20 M



TONNAGE	
NET	23882 MT
GROSS	43321 MT
GROSS Reduced (Rt. 13495)	NA

TANK CAPACITIES (cbm)			
CARGO HOLD CAPACITY		BLST TKS (100 %)	
GRAIN (M3)	BALE (M3)	F. P. Tk.	2547.7
NO.1	10635.1	NO.1	NO.1P/S 7389.6
NO.2	13982.4	NO.2	NO.2P/S 8609.6
NO.3	13746.5	NO.3	NO.3P/S 6717.2
NO.4	13825.1	NO.4	NO.4P/S 3475.4
NO.5	13881.9	NO.5	NO.5P/S
NO.6	13896.9	NO.6	APT 578.9
NO.7	12856.5	NO.7	NO.4CH 14176.8
TOTAL	93024.4	TOTAL	TOTAL 43495.2

LOAD LINE INFORMATION	FREEBOARD	DRAFT	DWT
TROPICAL FRESH	5.118	13.382 M	77.697
FRESH	5.385	13.115 M	77.702
TROPICAL	5.413	13.087 M	90.938
SUMMER	5.680	12.820 M	88.922
WINTER	5.947	12.553 M	86.894
LIGHT SHIP T= 11.225MT			

MACHINERY / PROPELLER / RUDDER	
MAIN ENGINE	MITSUI B&W 5560MC X.1 SET
M. C. O	13,900 ps (10,223 kW)x105.5 rpm
C.S.O	11,820 ps (8,694 kW) x 99.5 rpm
MAX CRITICAL RANGE	66 - 79 rpm
AUX. BOILER TYPE	composite boiler
GENERATOR (3 sets)	3 x 460 KW @ 720 rpm
EMER D.G.	1 x 80 KW @ 1800 rpm
PROPELLER	5-Blade, fix pitch, D= 6,450 mm
RUDDER	Streamlined Marine Type
STEERING GEAR	ELECTO-HYDROLIC. DFT-125
FW GENERATOR CAP	20 T/Day

BUNKER TANKS	
1 FO TK	889.6
2 FO TK	582.2
3 FO TK	411.5
DEEP FO TK(P)	307.6
DEEP FO TK(S)	648.2
SERV TK	46.3
TOTAL	2885.4
DOT (P)	295.6
DOT (S)	
1 DO Srv	6.8
2 DO Srv	
TOTAL	302.4

WINCHES / WINDLASS / ROPES / EMERGENCY TOWING			
	FWD	AFT	PARTICULARS
WINCHES	2 (d.dr)	2 (d.dr)	15 t x 15 m/min
MRG Ropes	6	6	80 mm x 200 mtr, polypropylene
Winch BHC	35.7 T	35.7 T	
WINDLASS	2	NIL	29.5t x 9.0 m/min
FIRE WIRE	N/A	N/A	
ANCHOR	2	0	Stockless, 7875 kgs x 2 set, @ 330 M
EMG. TOWING	1 Lgt	1 Lgt	Dia 28 MM x 50 Mtr
	N.A	N.A	Dia 28 MM x 50 Mtr
	N.A	N.A	N.A

BALLAST PUMPING SYSTEM				
MAIN PUMPS	NO.	CAPACITY	HEAD	RPM
BALLAST PUMP	1	1350M ³	25 M	1200
BALLAST PUMP	2	1350M ³	25 M	1200

LIFE BOATS	
2 x 28 Persons	
MAKER	
SHIGI SHIPBUILDING	
Totally enclosed	

FIRE FIGHTING SYSTEM	
E/RM	FIX FOAM, FIRE HYDRANT, PORTABLE FOAM & DRY CHEM
CARGO/ DK AREA	FIRE HYDRANT

CRANES	
N/A	