



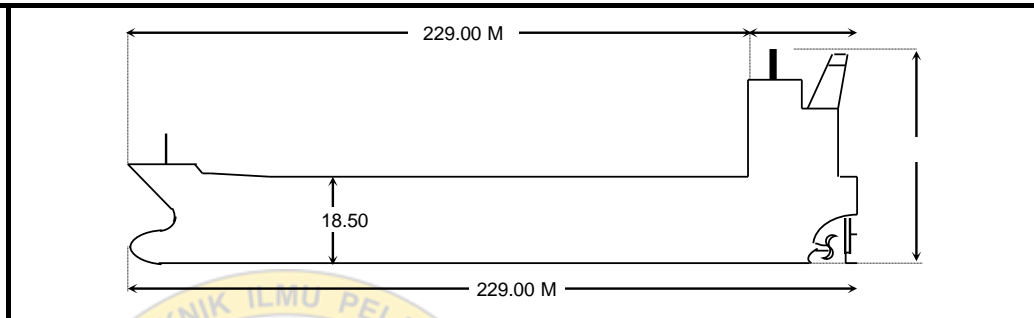
# PT. KARYA SUMBER ENERGY SHIP'S PARTICULARS

NAME	<b>MV ENERGY MIDAS</b>	KEEL LAID	10-Feb-98
CALL SIGN	3 F R U 8	LAUNCHED	29-May-98
FLAG	PANAMA	DELIVERED	04-Sep-98
PORT OF REGISTRY	PANAMA	SHIPYARD	MITSUI ENGINEERING & SHIPPING CO LTD
OFFICIAL NUMBER	27416-PEXT-1	HULL NO	1455
IMO NUMBER	9164691		
CLASS SOCIETY	NK		
CLASSIFICATION CHARACTER	NS*(BULK CARRIER)(ESP)MNS*		
P & I CLUB	AMERICAN STEAMSHIP		

SATELLITE COMMUNICATION	
INM-C	435590713
E-MAIL	<a href="mailto:energy.midas@fio.onsatmail.com">energy.midas@fio.onsatmail.com</a>
PHONE	(007) 870 7739 90800
FAX	
TELEX	
MMSI	355907000
EX. NAME	MV ENERGY ANGEL
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@indoshopping.com , dpa.kse1@gmail.com	TLP

PRINCIPAL DIMENSIONS	
LOA	229.00 M
LBP	219.40 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 (R'n:13495)	NA

LOAD LINE INFORMATION	FREEBOARD	DRAFT	DWT
TROPICAL FRESH	5.518	13.382 M	77.697
FRESH	5.425	13.115 M	77.702
TROPICAL	5.453	13.087 M	79.714
SUMMER	5.720	12.820 M	77.697
WINTER	5.987	12.533 M	75.683
LIGHT SHIP T= 11,225MT			

TANK CAPACITIES ( cbm )					
CARGO HOLD CAPACITY				BLST TKS (100 %)	
GRAIN ( M3 )		BALE (M3)		F.P.Tk.	2547.7
NO.1	10835.1	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
<b>TOTAL</b>	<b>93024.4</b>	<b>TOTAL</b>		<b>TOTAL</b>	<b>43495.2</b>

MACHINERY / PROPELLER / RUDDER	
MAIN ENGINE	MITSUI B&W 5S60MC 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
<b>TOTAL</b>	<b>2885.4</b>
DOT (P)	295.6
DOT (S)	
1 DO Srv	6.8
2 DO Srv	
<b>TOTAL</b>	<b>302.4</b>

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
			Dia 28 MM x 50 Mtr
			N.A
	N.A	N.A	N.A

BALLAST PUMPING SYSTEM				
MAIN PUMPS	NO.	CAPACITY	HEAD	RPM
BALLAST PUMP	1	1350M³	25 M	1200
BALLAST PUMP	2	1350M³	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	