

M/V ESNA

VESSEL'S NAME	M/V ESNA
1 OWNER	NATIONAL NAVIGATION CO., 4 ELHEGAZ ST.,ROXY - HELIOPOLIS CAIRO - EGYPT TEL: (202)24525575 FAX: (202)24526171/24526172 TLX: 21834/21835 4909
2 PROJECT NO.	4909
3 OFFICIAL NUMBER	5245
4 <u>BUILDING HISTORY</u> FABRICATING DATE KEEL LAY LAUNCHING DATE DELIVERY DATE BUILDING YARD INITIAL HOGGING	08 DECEMBERE 1997 05 FEBRAURY 1998 HITACHI ZOSEN - JAPAN -0.091
5 PORT OF REGISTRY	ALEXANDRIA
6 SIGN LETTER	SSLZ
7 LLOYD'S REGISTER NO.	9139268
8 TYPE OF SHIP	SINGLE DECK BULK CARRIER
9 TYPE OF FREE BOARD	
10 CLASS	LR+100A1 BULK CARRIER "STRENGTHENED FOR HEAVY CARGOES,HOLD NO.2,4 AND 6 MAY BE EMPTY,ESP" WITH THE DESCRIPTIVE NOTE "PT. HIGHER TENSILE STEEL" HOLD NO.4 MAY BE USED FOR WATER BALLAST + LMC,UMS,ICE CLASS ID
11 KIND OF GARGO	GRAIN,COAL AND ORE IN BULK
12 DEAD WEIGHT	71571.00 TONS
13 LIGHT WEIGHT	10023.00 TONS
14 GROSS TONNAGE 1965	38464.13 TONS (For Egyptian Maritime Authority only)
15 NET TONNAGE 1965	27360.36 TONS (For Egyptian Maritime Authority only)

16	INTERNATIONAL GROSS TONNAGE 1969	37794.00	TONS
17	INTERNATIONAL NET TONNAGE 1969	24068.00	TONS
18	SUEZ CANAL GROSS TONNAGE	39351.97	TONS
19	SUEZ CANAL NET TONNAGE	35590.95	TONS
20	PANAMA CANAL GROSS TONNAGE		TONS
21	PANAMA CANAL NET TONNAGE	31269	TONS
22	LENGTH O.A	223.70	MTR
23	BREADTH (MLD)	32.20	MTR
24	SUMMER DRAFT (EXTREME)	13.453	MTR
25	DRAFT (DESIGN)	12.40	MTR
26	DEPTH (MLD)	18.60	MTR
27	LENGHT B.P	215.00	MTR
28	TROPICAL DRAFT	13.733	MTR
29	WINTER DRAFT	13.173	MTR
30	FRESH DRAFT	13.763	MTR
31	HATCH COAMING HEIGHT(fm main deck to face plate of h.coaming)		
	* HOLD NO.1 F/A	2.8 / 3.6	MTR
	* HOLDS NO. 2,3,4,5,6,7	2.8	MTR
32	HEIGHT FROM KEEL TO :		
	* MAST END	44.4	MTR
	* ANNTENA END	47.5	MTR
33	HOLDS / HATCHES	SEVEN / SEVEN - H.C NO.1 (16.15X 12.96X 0.95 MTR), H.C NOS. 2,3,4,5,6,7 (17X 14.58X 0.95 MTR)	
34	HATCH COVERS	MAKER: MacGREGOR-KAYABA LTD. - JAPAN TYPE: SIDE ROLLING TYPE STEEL HATCH COVER - ELECTRO-HYDRAULIC- TWO PANELS- WATER TIGHT	
35	HEIGHT FM BASE LINE TO TOP FACE PLATE OF HATCH COVER		
	* HOLD NO.1	22.6	MTR
	* HOLDS NO. 2,3,4,5,6,7	21.6	MTR

36 **AIR DRAFT**

(IT MEANS DISTANCE FROM WATER LINE TO END TOP)

	<u>hold 1</u>	<u>hold 2</u>	<u>hold 4</u>	<u>hold 7</u>	
A) LIGHT BALLAST(DRAFT F/A 3.33/7.66 MTR)	18.76	17.29	16.25	14.73	MTR
B) HEAVY BALLAST (DRAFT F/A 7.71/8.52 MTR)	14.73	13.67	13.47	13.19	MTR
C) FULL LOAD (DRAFT F/A 13.13/13.76 MTR)	09.33	08.29	08.13	07.91	MTR

37 **PREMISSIBLE LOADING**

D.B.T TOP HOLD NO.(1,2,3,4,5,6,7)
UPPER DECK (T.S.W.TKS)
HATCH COVER

28.30/15.9/28.3/19.3/28.3/15.9/28.3 TON/SQ.MTR
TON/SQ.MTR
TON/SQ.MTR

STOWAGE FACTOR
T.P.C

AB 43.69 CUB.FT/TON
65.77 TONS/CM (AT DRAFT 13.43 MTR)

38 **HOLDS MEASUREMENTS**

	<u>L</u>	<u>X (BA X BF)</u>	<u>X HIGHT</u>	
HOLD NO.1	24.65 X (32.0 X 25.0)	X	16.90	MTR
HOLD NO.2	25.50 X 32.20 X	X	16.90	MTR
HOLD NO.3	25.50 X 32.20 X	X	16.90	MTR
HOLD NO.4	25.50 X 32.20 X	X	16.90	MTR
HOLD NO.5	25.50 X 32.20 X	X	16.90	MTR
HOLD NO.6	25.50 X 32.20 X	X	16.90	MTR
HOLD NO.7	25.50 X (32.0 X 32.2)	X	16.90	MTR

HOLDS CLEAR AREA

	<u>BA</u>	<u>X</u>	<u>BF</u>	<u>X</u>	<u>L</u>	<u>(MTR)</u>
HOLD NO.1	22.8	X	09.2	X	22.0	MTR
HOLD NOS. 2,3,4,5	22.8	X	22.8	X	22.9	MTR
HOLD NO.6	22.8	X	22.3	X	22.9	MTR
HOLD NO. 7	22.3	X	14.7	X	22.9	MTR

39 **DOUBLE BOTTOM HEIGHT**

1.7 MTR

40 **HOLDS CAPACITIES**

	<u>CAP.(GRAIN)/CUB.MTR</u>	<u>CAP.(BALES)/CUB.MTR</u>	<u>L.C.G/MTR</u>	<u>V.C.G/MTR</u>	
HOLD NO.1	10923.2		10379.4	-85.52	10.89
HOLD NO.2	12501.4		12118.5	-61.19	10.29
HOLD NO.3	12452.4		12112.9	-35.74	10.26
HOLD NO.4	12452.4		12090.7	-10.24	10.26
HOLD NO.5	12507.0		12101.9	15.31	10.29
HOLD NO.6	12498.3		12115.4	40.80	10.29
HOLD NO.7	11801.2		11418.3	65.95	10.59
TOTAL	85135.9		82337.1		

41 **TANKS (IN TONS)**

HEAVY FUEL OIL TANKS	1853.6	TONS (96% FU LL)
DIESEL OIL TANKS	171.8	TONS (96% FU LL)
LUBRICATING OIL TANKS	74.40	TONS
FRESH WATER TANKS	274.0	TONS (100% FULL)

42 GENERAL CAPACITIES

BALE	82337.1	CUB.MTR
GRAIN	85135.9	CUB.MTR
BALLAST	21566.8	CUB.MTR (EXCL.HOLD NO.4)
CONSTANT	270.00	TONS

43 DWT AT ALL DRAFT

DRFT/MTR	DRFT/FT	DWT/S.W	DWT/B.W	DWT/F.W	
6.0	19.68	24395.0		24204.6	23800
7.0	22.97	30442.5		30204.9	29700
8.0	26.25	36587.0		36286.6	35680
9.0	29.53	42742.5		42408.9	41700
10.0	32.81	49046.3		48663.5	47850
11.0	36.09	55350.0		54918.0	54000
11.5	37.73	58630.0		58172.4	57200
12.0	39.37	61858.8		61376.0	60350
12.5	41.01	65087.5		64579.5	63500
13.0	42.65	68418.8		67884.8	66750
13.5	44.29	71647.5		71088.3	69900

44 **CRANES** one set of provision handling traveling crane 3t x 12 m/min hoisting and 15 m/min traveling

2 sets of fuel oil hose davits 4.0t each

one set of Suez search light davite 0.1t

45 **DECK NO. (DK HOUSE)**

Five

46 **CLEAR DECK SPACE**

2.65/2.65/2.65/2.65/2.4 mtr

47 **MASTS NOS.**

two

48 **MAIN ENGINE TYPE**

B&W 6S60MC

49 **ENGINE CLASS**

LR

50 **BARRING RANGE**

44 - 53 RPM

51 **PROPELLER**

Aerofoil 4 blades solid (grade Cu 3) dia. 7.0 mtr, pitch 5.287 mtr (at 0.7 R)

52 **MAX BHP**

11830 BHP X 89.5 RPM

53 **CONTINOUS RUNNING**

10050 BHP X 84.8 RPM

54 MANOEUVERING R.P.M

FULL AHEAD	66	RPM
HALF AHED	58	RPM
SLOW AHEAD	40	RPM
FULL ASTERN	66	RPM
HALF ASTERN	58	RPM
SLOW ASTERN	40	RPM

55	SPEED/CONSUMPTION	<p><u>AT SEA</u> About 14.0 knots(HFO 29.0 T/DAY+1.5 T/DAY FOR A/E) About 13.5 knots(HFO 27.5 T/DAY+1.5 T/DAY FOR A/E) About 13.0 knots(HFO 26.5 T/DAY+1.5 T/DAY FOR A/E) AVRG. 0.5 T/DAILY MGO</p> <p><u>AT PORT</u> (IFO 2.5 T/DAY FOR A/E + Aux.Boiler)</p> <p>(THE A/M SPEEDS & CONSUMPTIONS BASED ON SEA SCALE "BEAUFORT 4 ")</p>
56	SPECIFICATION OF HEAVY FUEL OIL	<p>ISO 8217:2010 4th Edition "RME180"</p> <ul style="list-style-type: none"> • <u>Blended fuel is completely not accepted</u>
57	SPECIFICATION OF MARINE DIESEL OIL	<p>ISO 8217:2010 DMA <u>OR</u> COMMERCIALY GAS OIL</p> <p><u>N.B.:</u> 1- MARPOL Annex VI - Regulation 14: Sulphur content of H.F.O. / D.O. shall not exceed 4.5% m/m HEAVY FUEL OIL USED IN SPECIAL AREAS DESIGNATED BY LATEST REGULATIONS SHOULD CONTAIN A MAXIMUM AMOUNT OF 1.0% SULPHUR</p> <p>AND</p> <p>AS DESIGNATED BY LATEST RGULATIONS MARINE GAS OIL (MGO) USED IN SPECIAL AREAS IDENTIFIED BY THE ABOVE AND EU DIRECTIVES SHOULD CONTAIN AN AMOUNT OF SULPHUR NOT EXCEEDING 0.1% OR AS IDENTIFIED BY LATEST REGULATIONS.</p> <p><u>In addition to the following:</u> FROM 1 JUANUARY 2010 ALL FUEL USED IN BERTH AND INLAND WATERWAYS IN SPECIAL DESIGNATED AREAS IDENTIFIED BY EU DIRECTIVES HAS TO HAVE A SULPHUR CONTENT OF 0.1% OR AS IDENTIFIED BY LATEST REGULATIONS.</p> <p>2- MARPOL Annex VI - Regulation 18: MARPOL - compliant Bunker Delivery Note (BDN) to be submitted to Vsl before bunkering</p>
58	SPECIFICATION OF LUB OIL	Mobil oils (MG 300 - 330 - 570)
59	FRESH WATER ALLOWANCE	0.28 MTR
60	SLIP	M.E SPEED - SHIP SPEED / M.E SPEED
61	Propeller pitch	5.287 MTR AT 0.7 R
62	AUXILIARIES	THREE YANMAR DIESEL ENGINE 562.5 KVA (450 KW), AC 450 V, 60 HZ, 900 RPM
63	BOILERS	1500 KG/H X 6 Kg/CM2 SATURATED
64	EMERG'Y DIESEL GENERATOR	112.5 KVA (90 KW), AC 450 V, 60 HZ, 1800 RPM
65	LIFE BOATS	TWO FRP MOTOR LIFEBOAT - 33 P/BOAT
66	RADARS	NO. 1 ARPA - FURUNO-FAR-2835SW NO.2 FURUNO - RF - 2120W
67	MAIN RADIO	FURUNO - GMDSS TYPE
68	CO2	FLOODING SYS. (ENGINE ROOM + CARGO HOLDS)

69 ACCO.	33 PERSONS
70 HOLD LADDER (AWHL)	VESSEL EQUIPPED WITH IT
71 CREW MEMBERS	29 P + 4 CADETS
72 P & I CLUB	STEAMSHIP MUTUAL UNDERWRITING ASS.
73 TLX. NO. (INMARSAT C)	462211751
74 DATA 2.4 KB	362211512
75 E-MAIL	master@esna2.amosconnect.com
76 MMS NO.	622120320
77 D.S.CALL	78018
FLEET 77 TEL NO.	764469990
FAX NO.	764469991
D64 NO.	N/A
D56 NO.	N/A
SPEECH NO.	N/A
78 IMN NO.	462211887
89 Company IMO NO.	0957062
80 <u>ISM CODE CERTIFICATE :</u>	
DOC	01/08/2013
VALIDITY DATE	28/09/2014