

M/V WADI FERAN

VESSEL'S NAME	MV WADI FERAN
1 OWNER	NATIONAL NAVIGATION CO., 4 ELHEGAZ ST., ROXY - HELIOPOLIS CAIRO - EGYPT TEL: (202)24525575 FAX: (202)24526171/24526172 TLX: 2834/2835
2 PROJECT NO.	S-1326 STX
3 OFFICIAL NUMBER	9255
4 <u>BUILDING HISTORY</u>	
FABRICATING DATE	27th APR, 2010
KEEL LAY	30th JUNE 2010
LAUNCHING DATE	10th NOV., 2010
DELIVERY DATE	14th JAN, 2011
BUILDING YARD	STX OFFSHORE & SHIPBUILDING LTD., CO.
5 PORT OF REGISTRY / registry No.	ALEXANDRIA / 3631
6 SIGN LETTER	6AGR
7 LLOYD'S REGISTER NO./IMO no.	9460083
8 TYPE OF SHIP	BULK CARRIER
9 TYPE OF FREE BOARD	B-60
10 CLASS NOTATION	LR +100A1 BULK CARRIER, CSR, BC-A {HOLDS NO.2 AND 4 MAY BE EMPTY}, GRAB [20], LI, *IWS, SHIPRIGHT (CM), +LMC, ESP, UMS WITH DESCRIPTIVE NOTES "PT.HT., SHIPRIGHT (SCM, BWMP (F))"
11 KIND OF GARGO	COAL, IRON ORE, GRAIN, STEEL COIL
12 DEAD WEIGHT	57,281.89 TONS
13 LIGHT WEIGHT	10,513.609 TONS
14 GROSS TONNAGE 1965	33234.03 TONS
15 NET TONNAGE 1965	22236.02 TONS
16 INTERNATIONAL GROSS TONNAGE 1969	33,295 TONS
17 INTERNATIONAL NET TONNAGE 1969	19,294 TONS
18 SUEZ CANAL GROSS TONNAGE	34,640.94 TONS
19 SUEZ CANAL NET TONNAGE	30,802.21 TONS
20 PANAMA CANAL GROSS TONNAGE	110,662 CUB.M (Total Volume)
21 PANAMA CANAL NET TONNAGE	27,595 TONS
22 LENGTH O.A	190.00 m
23 BREADTH (MLD)	32.26 m
24 DRAFT	13.00 m
25 DEPTH (MLD)	17.28 m
26 LENGHT B.P	183.30 m
27 TROPICAL DRAFT	13.271 m
28 WINTER DRAFT	12.729 m
29 FRESH DRAFT	13.296 m
30 HATCH COAMING HEIGHT(fm main deck to face plate of h.coaming)	
* All Holds	1.4 m

31	HEIGHT FROM KEEL TO :					
	* MAST END				35.544 m (Fore mast end)	
	* ANNTENA END				48.483 m (Radar mast end)	
32	HOLDS / HATCHES				Five / Five	
33	HATCH COVERS				Electro-hydraulic folding type hatch cover	
	Dimension of h. cover no.1				18.04m(L) x 18.26m(B), (2A+2F)	
	Dimension of h. cover no.from 2 -5				19.68m(L) x 18.26m(B), (2A+2F)	
34	HEIGHT FM BASE LINE TO TOP FACE PLATE OF HATCH COVER					
	* ALL HOLDS (1,2,3,4,5)				21.310m (at ship center from base line)	
35	AIR DRAFT					
	(DEFINITION: DISTANCE FROM WATER LINE TO HATCH COVER)					
		hold no.1	no.2	no.3	no.4	no.5
A)	LIGHT BALLAST (DRAFT 5.939 MTR) (NORMAL BALLAST DEPARTURE COND.)	16.20 m	15.82m	15.45m	15.08m	14.71m
B)	HEAVY BALLAST (DRAFT 8.245 MTR) (HEAVY BALLAST DEPARTURE COND.)	13.90 m	13.53m	13.17m	12.80m	12.43m
C)	FULL LOAD (DRAFT 13.02 MTR) (HOMO. SCANTLING DEPARTURE COND.)	8.52 m	8.43m	8.35m	8.26m	8.18m
36	PERMISSIBLE LOADING					
	D.B.T TOP HOLD NO.1					24 TON/M ²
	D.B.T TOP HOLD NO.2					18 TON/M ²
	D.B.T TOP HOLD NO.3					24 TON/M ²
	D.B.T TOP HOLD NO.4					18 TON/M ²
	D.B.T TOP HOLD NO.5					24 TON/M ²
	UPPER DECK					4.0 TON/M ²
	HATCH COVER					3.5 TON/M ²
	(DESIGN NOT ALLOWED FOR STOWING CARGO)					
	STOWAGE FACTORS					SF=12, 50, 55 & 60
	T.P.C					57.3 tons/cm (At 13.0M - moulded)
37	HOLDS MEASUREMENTS					
	L X (BA X BF) X MAIN DECK					
	HOLD NO.1 (ABOUT)	29.52 X	(31.87 X 16.99)	X	18.5	
	HOLD NO.2 (ABOUT)	29.52 X	(32.26 X 31.87)	X	18.5	
	HOLD NO.3 (ABOUT)	29.52 X	(32.26 X 32.26)	X	18.5	
	HOLD NO.4 (ABOUT)	29.52 X	(32.05 X 32.26)	X	18.5	
	HOLD NO.5 (ABOUT)	29.52 X	(14.10 X 32.05)	X	18.5	
	HOLDS CLEAR AREA					
		AFT	X	FRD	X	L (MTR)
	HOLD NO.1	23.24	X	6.64	X	29.52
	HOLD NOS. 2, 3 & 4	23.24	X	23.24	X	29.52
	HOLD NO. 5	8.30	X	23.24	X	29.52

HOLDS INSIDE SURFACE AREA
(including Tank Top Plate)

HOLD NO.1	2709.8 SQ.MTR
HOLD NO.2	3046 SQ.MTR
HOLD NO.3	2969 SQ.MTR
HOLD NO.4	3061.1 SQ.MTR
HOLD NO.5	2821.1 SQ.MTR

38 **DOUBLE BOTTOM HEIGHT** 1.8 m

39 **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	13618.4		13099.88	158.58	10.79
HOLD NO.2	14855.6		14289.97	129.69	10.516
HOLD NO.3	14283.5		13739.65	100.71	10.548
HOLD NO.4	14869.4		14303.24	71.69	10.517
HOLD NO.5	14290.1		13746	42.35	10.844
TOTAL	71917.1		69178.74	91.663	10.640

40 **TANKS (IN TONS)**

HEAVY FUEL OIL TANKS	1996.2 tons (98% full)
DIESEL OIL TANKS	117.4 tons (98% full)
LUBRICATING OIL TANKS	109.5 tons (98% full)
FRESH WATER TANKS	509.2 tons (100% full)

41 **GENERAL CAPACITIES**

BALE	69178.74 CUB.MTR
GRAIN	71917.1 CUB.MTR
BALLAST	16179.7 CUB.MTR(EXCL.HOLD NO.3)
CONSTANT	129.064 tons

42 **DWT AT ALL DRAFT**

<u>DRFT/MTR</u>	<u>DRFT/FT</u>	<u>DWT/S.W</u>	<u>DWT/F.W</u>
3.0 M	9.84252 FT	3996.5	3652.7
4.0 M	13.1234 FT	9003.0	8537.1
5.0 M	16.4042 FT	14092.8	13502.7
6.0 M	19.6850 FT	19257.0	18541.0
7.0 M	22.9659 FT	24495.3	23651.5
8.0 M	26.2467 FT	29811.3	28837.8
9.0 M	29.5276 FT	35210.1	34105.0
10.0 M	32.8084 FT	40710.7	39471.4
11.0 M	36.0892 FT	46314.0	44938.0
12.0 M	39.3701 FT	51983.9	50469.7
13.0 M	42.6509 FT	57695.5	56042.0

43	CRANES	<p>- FOUR(4), DECK CRANES ELEC. HYDRAULIC SINGLE JIB TYPE, 30MT SWL WITHOUT GRAB(24MT SWL WITH GRAB)</p> <p>- CAN BE OPERATED SIMULTANEOUSLY AT RATED LOAD AND SPEED FOR ALL THREE(3) MOTIONS (HOISTING/SLEWING/LUFFING)</p> <p>-TWO(2) PROVISION CRANES-ELEC.TYPE 2.0 MT SWL</p> <p>-TWO (2) F.O HOSE HANDLING CRANE 0.5 MT SWL (STBD & PORT SIDE)</p>
44	CRANES OUTREACH	<p>26 m (from the center line of the vessel)</p> <p>Crane outreach out side the vessel edge = 9.87 m</p>
45	GRABS	<p>SELF HYDRAULIC - REMOTE CONTROL TYPE</p> <p>Number of grabs 4 grabs</p> <p>The weight of grabs 9000 kg each</p> <p>VOLUME: 12M3 / 7M3</p>
	GRABS CAPACITY	<p>AT 12M3: DENSITY = 0.1 T/M3 ~ 1.2 T/M3 MATERIAL WEIGHT: 14,400 KG</p> <p>AT 7M3: DENSITY = 1.2 T/M3 ~ 2 T/M3 MATERIAL WEIGHT: 14,000 KG</p>
46	MASTS	<p>Fore Mast (1), Radar Mast (1), Lightning post (2), Inmarsat post (1)</p>
47	DECKS NO. (DK HOUSE)	<p>5 DECKS</p>
48	CLEAR DECK SPACE	<p>UPPER ~ A DECK: 3,300MM</p> <p>A DECK ~ B DECK: 3,200MM</p> <p>B DECK ~ C DECK: 3,200MM</p> <p>C DECK ~ NAV. DECK: 3,200MM</p> <p>NAV. DECK ~ COM. DECK: 2,850MM</p>
49	MAIN ENGINE TYPE	<p>MAN-B&W 6S50MC-C(MARKVII)</p> <p>TWO(2) STROKE, SINGLE ACTING, CROSS HEAD, DIRECT REVERSIBLE TYPE ENGINE WITH EXHAUST GAS TURBOCHARGER AND AIR COOLER</p>
50	ENGINE CLASS	<p>LLOYD'S REGISTER</p>
51	BARRING RANGE	<p>53-64</p>
52	PROPELLER	<p>FIXED PITCH PROPELLER, FOUR(4) BLADES DIA. 6.0 M PITCH (0.7 R) ; 4089.2 MM, (Mean Pitch 3882 mm)</p>
53	MAX BHP	<p>12,900 BHP x 127RPM (9,480KW)</p>
54	NCR (CONTINUOUS RUNNING)	<p>11,610 BHP x 122.6 RPM (8,532 KW)</p>
55	<u>MANOEUVERING R.P.M</u>	
	FULL AHEAD	<p>105 RPM</p>
	HALF AHED	<p>85 RPM</p>
	SLOW AHEAD	<p>69 RPM</p>
	FULL ASTERN	<p>105 RPM</p>
	HALF ASTERN	<p>85 RPM</p>
	SLOW ASTERN	<p>69 RPM</p>

56	<u>SPEED/CONSUMPTION</u>	<u>AT SEA</u>
	<p>1- Gurantee speed based on sea scale "Beafort 4": 14.5 KNOTS / DRAFT 13.0 AT NCR ONLY 2- Speeds & Fuel Oil consumptions are Estimated & Theoretical values based on Speed-Power Curve only With 15% sea margin</p>	
a	Consumption for Speed at Heavy Ballast (MEAN DRAFT 7.74 / 8.27 mtr)	ABOUT 14.40 KNOTS (HFO 34.0 T/DAY + 2.8 T/DAY FOR A/E + AVRG. 0.2 T/DAY MGO)
b	Consumption for Speed at Full Load (Draft/13.0 mtr)	ABOUT 13.5 KNOTS (HFO 32.0 T/DAY + 2.8 T/DAY FOR A/E+ AVRG. 0.2 T/DAY MGO) ABOUT 13.0 KNOTS (HFO 28 T/DAY + 2.8 T/DAY FOR A/E+ AVRG. 0.2 T/DAY MGO)
c	Maneuvering Consumption	ABOUT 1.6 T/ ONE HOUR (MDO) (MANUEVERING TIME CALCULATER PER OFFICIAL LOG BOOK)
d	Consumption at Port (without cranes operating)	A/E (HFO ABOUT 2.8 T/DAY + D.O. ABOUT 0.2 T/DAY) AUX. BOILER 9HFO 1.2 T/DAY) TOTAL DAILY AVRG. CONS. (HFO 6.8 + D.O. 0.2 TONS)
e	Consumption With all cranes working	TWO A/E (HFO ABOUT 5.9 T/DAY + D.O ABOUT 0.5 T/DAY) AUX. BOILER (HFO 1.4 T/DAY) TOTAL DAILY AVRG. CONSUMPTION (HFO 7.3 +DO 0.5 TONS)
	<p><u>(THE A/M SPEEDS & CONSUMPTIONS BASED ON SEA SCALE "BEAUFORT 4 ")</u></p>	
57	HEAVY FUEL OIL	ISO 8217 2010 3RD EDITION "RMG 380" (Blended Fuel is completely not accepted)
58	MARINE DIESEL OIL	ISO 8217: 2010 MDO OR COMMERCIALY GAS OIL
	<p><u>N.B.: A) designated by latest regulations :</u> 1- MARPOL Annex VI - Regulation 14 Sailing in special area: Sulpher content of HFO / DO shall not exceed 1.0% m/m 2- As Marine Gas Oil (MGO) used in special areas as abbove EU dirctives should contain an amount of Sulphur not exceed 0.1%</p>	
	<p><u>B) MARPOL Annex VI - Regulation 18:</u> MARPOL - compliant Bunker Delivery Note (BDN) to be submitted to Vsl before bunkering</p>	
59	LUB OIL	MAIN L.O SUMP TANK (14,080 LITER) - PRODUCTS - EXXON MOBIL: MOBIL GARD 300
60	FRESH WATER ALLOWANCE	296 mm
61	FRESH WATER CONS.	20 TON/DAY
62	PROPELLER PITCH	MEAN PITCH: 3,882 MM, 0.7R (fixed), 4089.2 mm
62	SLIP	(M/E SPEED - SHIP SPEED) ÷ (M/E SPEED)
63	AUXILIARIES	THREE STX MAN B&W 6L16/24 730 (895 BHP) AT 1,200 RPM, OUTPUT OF 625 KW
64	BOILERS	ONE COMPOSITE BOILER VERTICAL, FORCED DRAFT, MARINE BOILER WITH AUTO COMBUSTION DEVICE AND FEED WATER REGULATOR STEAM OUTPUT: 1,200KG/H FOR OIL FIRED SECTION 1,200 KG/H FOR EXH. GAS SECTION AT NCR OF M/E
65	EM'CY DIESEL GENERATOR	ONE DIESEL GEN. 188 BHP x 1,800 RPM OUTPUT: 120KW

66 LIFE BOATS	-ONE(1) FREE FALL LIFE BOAT, 32 PERSONS
67 RADARS	-ONE(1) RESCUE BOAT 6 PERSONS (5 seats, 1 lying) 9ft X-BAND RADAR with ARPA Transmitting frequency : 9410 ± 30 MHz Transmitter output : 25kW 12ft S-BAND RADAR with ARPA Transmitting frequency : 3050 ± 20 MHz Transmitter output : 30kW
68 MAIN RADIO	250W MF/HF RADIO EQUIPMENT
69 CO2	TOTAL FLOODING SYSTEM IN E/R & CARGO HOLDS
70 ACCOMMODATION	32 for total persons + 6 Persons (Suez Canal)
71 HOLD LADDER (AWHL)	VESSEL EQUIPPED WITH IT
72 CREW MEMBERS	32 PERSON + (SUEZ CREW: 6PERSONS)
73 P & I CLUB	NORTH OF ENGLAND P&I ASSOCIATION LIMITED
74 TLX. NO. (INMARSAT C)	462200125
75 E-MAIL	wadiferan@seamail-lite.com
76 FLEET 77 (Broadband) TEL NO.	773186877
FAX NO.	783185721
D64 NO.	783185720
77 MMSI NO.	622121413
78 EPIRB ID NO.	CDC9D65D29D40D1
79 IMN NO.	462200125
80 Company IMO NO.	957062
81 <u>ISM CODE CERTIFICATE :</u>	
VALIDITY DATE	30/07/2011
DOC	1/8/2013