

Our Fleet

SEAMEC DIAMOND

An offshore support vessel



SEAMEC LIMITED





Principal Particulars		Machinery	
Official Number	SLR10386	Main Engine	2 X GE7 FDM 12, 2 X 3070BHP
Call Sign	9LU2399	Main Generator	Volvo Penta 2 X 380 KW/440 V/3Ph/60 Hz
IMO Number	9468865	Emergency Generator	Volvo Penta 1x 85 KW/440 V/3Ph/60 Hz
Year Of Built	2011	Bow Thruster	2 X 500 KW (HRP)@1200RPM HRP 4000
Hull Number	324	Stern Thruster	1 X 500 KW (HRP)@1200RPM HRP 4000
Port of Registry	Free Town	Propulsion	2 x CPP in Kort Nozzles; BERG Propulsions
Builder	ABG Shipyard Ltd - India	Shaft Generator	2 X 1000 kw Leroy Somer
Flag	Republic of Sierra Leone		
Class	RINA A1,Towing Vessel,Fire Fighting		

Notation

Vessel Class1,Offshore Support Vessel,AMS,DPS-2

Dimension		Performance	
Length Overall	63.40 M	Bollard Pull	80 T
Length Between Perpendicular	56.52 M	Total BHP	6140 BHP
Breadth Moulded	15.80 M	Speed - Average/ Fuel Consumption	10 knots / 6 MT F.O / 24 H
Depth Moulded	6.80 M	Speed- Maximum / Fuel Consumption	13.0 knots / 11 MT F.O / 24 H
Draft	4.5 M @ Deadwidth 1000T	Fuel Consumption in Port	0.8 MT/ Day / 24 H
Load Draft	5.5 M @ Deadwidth 1886.2 T	Type of Fuel	M G O
Gross Tonnage	1922 T		
Net Tonnage	649 T		



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Deck Equipment		Navigation & Communication	
Anchor Windlass	NORCRANE - NCW-AW-GG-38U2-H	GMDSS	JRC
Gypsies	38 MM (Ø) U2 chainsrated pull 6.9 T x 0~10 M / Min	MF/HF	JRC - JSB-296/NCT -196
Warping drum	6.9 T x 0 ~10 M / Min	Inmarsat C	JRC - JUE 85
Chains	Port side - 275 M (L) x 38 MM (dia) Grade U2	VHF Radio	2xJRC JHS-770S
Capstan	Starboard side - 192.5 M (L)x 38 MM (dia) Grade U2 x 8 Tonne x 15 M/Min electro-hydraulic;NORCRANE - NCW-1000-VC-8-H	Navtex Receiver	1 x JRC NCR -333
		SART	2 x JRC - JQX-30A
Tugger Winch	10 Tonne x 15 M / Min (1st Layer) electro-hydraulic; NORCRANE - NCW-1000-TUW-10-H Drum Capacity : 250 M x Ø2 6 MM (S.W.R @ 6 Layers)	AIS EPIRB	1x JRC- JHS182,1xMCmurdo E5 SMARTFI ND 406
		Portable VHF Radios	3 x JRC JHS-7
Deck Crane	1 x SWL 3T, NORCRANE -NCW-SC-058-0312 Outreach 12 M, Hoisting speed 0~20 M/Min Hook travel 25 M	Radar	1 x JRC - JMA 5312-6 , 1 x JRC - JMA 5332-12
		Echo Sounder	1 x JRC - JFE 680
Towing/AH Winch	1 x electro-hydraulic double drum water fall Type	GPS	1 x JRC DGPS 224
Upper Drum Cap (Tow)	1000 M (L) x 60 MM (Ø) SW R	Gyrocompass	3 x Anschutz Standard 22
Lower Drum Cap (AH)	1000 M (L) x 60 MM (Ø) SW R	Navtex	1 x JRC - NCR 333
Line Pull	225 MT	Autopilot	1 x NAVIS AP3000
Stall Pull	225 MT	BNWAS	1 x Furuno BR500
Brake Capacity	Remote Control from aft control stand in wheelhouse	Magnetic CoMpass	1 x Cassens & Plath
Gypsies	2x76 MM (Ø) Chain	Weather Fax	1 x JRC - JAX-9B
Stern Roller	4.50 M (L) x 2.20 M (dia) SU S316; SWL 200 Mt	Speed Log	1 x JRC - JLN25
Shark Jaws	1x electro-hydraulic Karmoy; SWL 300Mt	Wind Indicator	3 x Ultrasonic Anemometer (Gill Instrument)
Tow Pins	1x electro-hydraulic retractable Karmoy; SWL 200 MT	DP	NAV DP4022
Rope Reel	1x electro-hydraulic, Pulling rate 10T @ 20 M/Min Drum Capacity : 1200 M (L) x 60 MM (dia) SWR	Joystick	NAV IJS 4002
		REF. System	(2 D.G.P.S fugro sea star) (1x Cyscan)
Reefer Points	2 x 4 pin x 32 A / 60 Hz		
Cargo Capacities		Fire Fighting System	
Deck Cargo	600 T	External	
Deck Strength	5t / M ²	FIFI System	Class 1 with water curtain all round
Clear Deck Area	428 / M ²	Fire Pump	ABS P/S driven by front PTO of M/E Mid driven by BERG
Deck Length	33.0 M	Monitors (water/foam)	2 x 1560 M ³ / h @133 M /50 M at 70 M distance
Deck Width	13.0 M	Oil Dispersant System	spray nozzle: 2x1-1/4" Pumps : 25.3 M ³ /h x 32.5 M
Fuel Oil	796 M3	Internal	
Fresh Water	575 M3	Emergency Fire Pump	1 x 35 M ³ /hr @ 60 M head; Pumpquip
Ballast/Drill Water	410 M3	Capacity: 68L x 17 cylindes	1 x 210 ltrs/min @ 300 bar
Liquid mud/Base Oil	408 M3	CO2 system in engine room	Capacity: 68 L x 17 cylindes
Brine	199 M3		
Cement Tank	206 M3		
Freezer / Chiller	14 M3/10 M ³		
Foam / Detergent	20.0 M3/20.0 M ³		

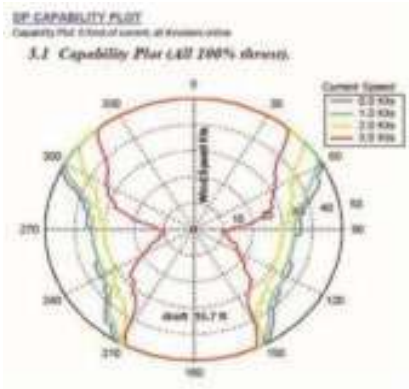
Fire Detection & Alarm System in living spaces & engine room

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Pumps		Safety And Environment	
Fuel Oil	200 M ³ / h x 60 M head	Life rafts	4 x 25 Men SOLAS approved type
Fresh Water	200 M ³ / h x 60 M head	Fast Rescue Craft	1x9 Men Fast Rescue Boatc / w 2 x 60 HP OBM 3 persons, ≥ 25 knots/Speed 9 persons, ≥ 8 knots
SWB/Drill Water	200 M ³ / h x 60 M head	Oily Water Separator	1 x 1 M ³ / hr c/w 15 ppm alarm; Industmarine
Liquid Mud	80 M ³ / h x 60 M head Circulation system 50 M ³ / h x 60 M head	Water Maker	1 x 10 M ³ / day Reverse Osmosis, Industmarine
GS / Fire Pump	100 M ³ /h x 80 M head @ 35 kw	Sewage Treatment Plant	1 x 40 Men (3120L/day); Hamworthy ST2A-C

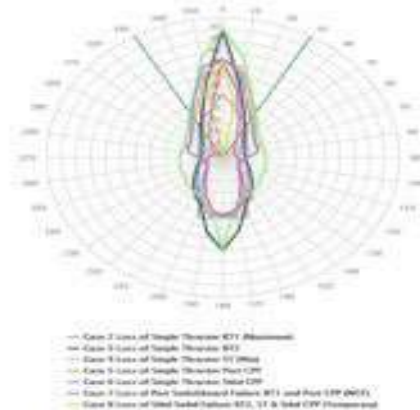
Accommodation

Berth cabins	1 X 4
Berth cabins	2 X 8
Berth cabins	2 X 6
Berth cabins	1 X 1
Crew	12
Passengers	38
Total	50



Tide	CURRENTS (M ²)				
	Transverse	Longitudinal	Transverse	Longitudinal	Transverse
Case 1.1	100.0	100.0	100.0	100.0	100.0
Case 1.2	100.0	100.0	100.0	100.0	100.0
Case 1.3	100.0	100.0	100.0	100.0	100.0
Case 1.4	100.0	100.0	100.0	100.0	100.0
Case 1.5	100.0	100.0	100.0	100.0	100.0
Case 1.6	100.0	100.0	100.0	100.0	100.0
Case 1.7	100.0	100.0	100.0	100.0	100.0
Case 1.8	100.0	100.0	100.0	100.0	100.0
Case 1.9	100.0	100.0	100.0	100.0	100.0
Case 1.10	100.0	100.0	100.0	100.0	100.0
Case 1.11	100.0	100.0	100.0	100.0	100.0
Case 1.12	100.0	100.0	100.0	100.0	100.0
Case 1.13	100.0	100.0	100.0	100.0	100.0
Case 1.14	100.0	100.0	100.0	100.0	100.0
Case 1.15	100.0	100.0	100.0	100.0	100.0
Case 1.16	100.0	100.0	100.0	100.0	100.0
Case 1.17	100.0	100.0	100.0	100.0	100.0
Case 1.18	100.0	100.0	100.0	100.0	100.0
Case 1.19	100.0	100.0	100.0	100.0	100.0
Case 1.20	100.0	100.0	100.0	100.0	100.0
Case 1.21	100.0	100.0	100.0	100.0	100.0
Case 1.22	100.0	100.0	100.0	100.0	100.0
Case 1.23	100.0	100.0	100.0	100.0	100.0
Case 1.24	100.0	100.0	100.0	100.0	100.0
Case 1.25	100.0	100.0	100.0	100.0	100.0
Case 1.26	100.0	100.0	100.0	100.0	100.0
Case 1.27	100.0	100.0	100.0	100.0	100.0
Case 1.28	100.0	100.0	100.0	100.0	100.0
Case 1.29	100.0	100.0	100.0	100.0	100.0
Case 1.30	100.0	100.0	100.0	100.0	100.0
Case 1.31	100.0	100.0	100.0	100.0	100.0
Case 1.32	100.0	100.0	100.0	100.0	100.0
Case 1.33	100.0	100.0	100.0	100.0	100.0
Case 1.34	100.0	100.0	100.0	100.0	100.0
Case 1.35	100.0	100.0	100.0	100.0	100.0
Case 1.36	100.0	100.0	100.0	100.0	100.0
Case 1.37	100.0	100.0	100.0	100.0	100.0
Case 1.38	100.0	100.0	100.0	100.0	100.0
Case 1.39	100.0	100.0	100.0	100.0	100.0
Case 1.40	100.0	100.0	100.0	100.0	100.0
Case 1.41	100.0	100.0	100.0	100.0	100.0
Case 1.42	100.0	100.0	100.0	100.0	100.0
Case 1.43	100.0	100.0	100.0	100.0	100.0
Case 1.44	100.0	100.0	100.0	100.0	100.0
Case 1.45	100.0	100.0	100.0	100.0	100.0
Case 1.46	100.0	100.0	100.0	100.0	100.0
Case 1.47	100.0	100.0	100.0	100.0	100.0
Case 1.48	100.0	100.0	100.0	100.0	100.0
Case 1.49	100.0	100.0	100.0	100.0	100.0
Case 1.50	100.0	100.0	100.0	100.0	100.0

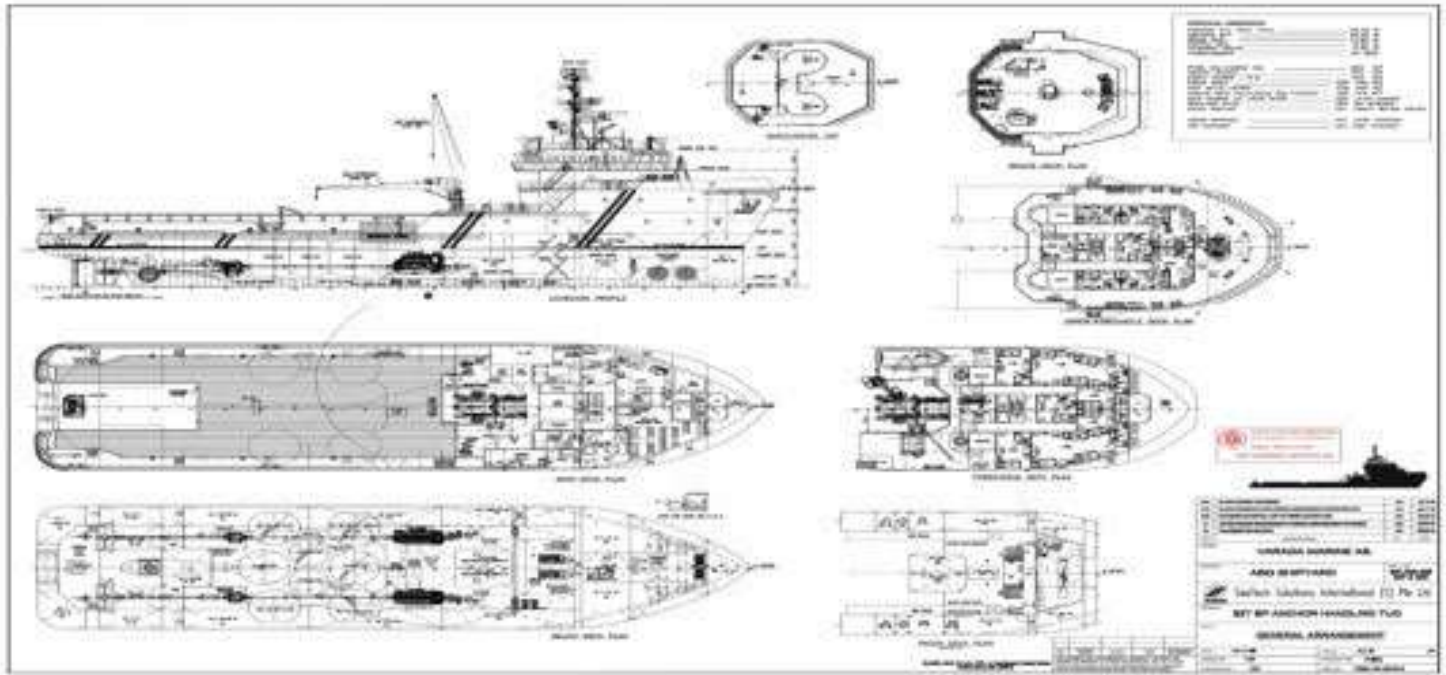
Limiting wind speed 20-25 (4) - For L1 and L2 analysis the values are converted from the Beaufort scale



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Draft Scale Table

DATE: 15-05-2006

NO: 1001

PROJECT: SEAMEC DIAMOND

SCALE: 1:100

Draft (m)	Displacement (t)	Stowage (t)	Time per cubic meter of immersion	Weight to be lifted (t)	Stowage (t)
4.0	1100	2800	3.2	41	1.8
4.1	1150	2850	3.2	41	1.8
4.2	1200	2900	3.2	41	1.8
4.3	1250	2950	3.2	41	1.8
4.4	1300	3000	3.2	41	1.8
4.5	1350	3050	3.2	41	1.8
4.6	1400	3100	3.2	41	1.8
4.7	1450	3150	3.2	41	1.8
4.8	1500	3200	3.2	41	1.8
4.9	1550	3250	3.2	41	1.8
5.0	1600	3300	3.2	41	1.8
5.1	1650	3350	3.2	41	1.8
5.2	1700	3400	3.2	41	1.8
5.3	1750	3450	3.2	41	1.8
5.4	1800	3500	3.2	41	1.8
5.5	1850	3550	3.2	41	1.8
5.6	1900	3600	3.2	41	1.8
5.7	1950	3650	3.2	41	1.8
5.8	2000	3700	3.2	41	1.8
5.9	2050	3750	3.2	41	1.8
6.0	2100	3800	3.2	41	1.8

BOARD OF THE SEA WARE (T.A.S) : 1:225
 TIDEGANG DEPTH : 4.800
 SUMMER DRAUGHT (T.A.S) : 5.500
 TYPICAL DRAUGHT : 5.815
 LCH'S-P WGS-01 : 1800.0



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