



#### **Vessel Characteristics**

Length, Overall:	301.8 ft	92 m					
Beam:	72.2 ft	22 m					
Depth:	29.5 ft	9 m					
Maximum Draft:	24.6 ft	7.5 m					
Freeboard:	4.9 ft	1.5 m					
Displacement:	9,950 lt	10,110 mt					
Deadweight:	4,430 lt	4,500 mt					
Clear Deck Space:	118 x 59 ft	36 x 18 m					
Clear Deck Area:	6,980 ft <sup>2</sup>	650 m <sup>2</sup>					
Deck Strength AFT:	2,050 lb/ft²	10 t/m²					
Class Notations:	DNV: +1A, Fire fighter(I), Offshore service vessel(Anchor handling, Towing), Clean, DYNPOS(AUTR), EO, Ice(C),						

#### **Capacities**

Deck Cargo:	1,480 lt	1,500 t
Fuel Oil:	482,000 gal	1,820 m <sup>3</sup>
Potable Water:	51,800 gal	200 m <sup>3</sup>
Fresh Water:	306,000 gal	1,160 m³
Drill/Ballast Water:	783,000 gal	2,970 m <sup>3</sup>
Bulk Tanks (4 tanks):	8,340 ft³	240 m³
Liquid Mud (2.5 SG*): *Max Structural Specific Gravity	5,410 bbl	860 m <sup>3</sup>
Base Oil:	2,860 bbl	450 m³
Oil Dispersant:	4,580 gal	17.3 m <sup>3</sup>

# **TIDEWATER**

#### Find out more

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## Further specifications



#### **Machinery**

Main Engines (4):			MAN 9L27/38				
Total HP:	17,600						
Propellers (2):	MAN CPP						
Gears (2):		RRI	M SV650-FCP				
Kort Nozzles:			2				
Rudders (2):	RRM HIGH LIFT						
Primary Generators (1):	1,360 kw	440 v	60 hz				
Driven by:			CAT 3512B				
Secondary Generators (2):	2,800 kw 440 v						
Driven by:	MAIN ENGINE						
Emergency Generators (1):	350 kw	440 v	60 hz				
Driven by:			CAT C18				
Bow Thruster (3):	2XBRUNVOLL FU-80-LTC-2000 CP TT, 1XBRUNVOLL AR-63-LNC-1650 DD						
Driven by:	880KW ELECTRIC MOTORS						
Total Thrust:	44.2 st 40.1 m						
Stern Thruster (2):	BRUNVOLL FU-80-LTC-2000 CP TT						
Driven by:		880KW ELECTRIC MOTORS					
Total Thrust:		29.5 st	26.8 mt				

#### **Performance\***

Fuel Consumption Vs Speed								
Maximum:	45 m³/day (500 gph) @ 14 knots							
Cruising:	32 m	<sup>3</sup> /day (350 gph) @ 13 knots						
Economical:	24 m <sup>2</sup>	3/day (260 gph) @ 10 knots						
Standby:	1.8 m³/day (19.8 gph) @ 0 knots							
Bollard Pull	240 st 22							
Transfer Rates								
Fuel Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m						
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 92 m						
Drill/Ballast Water:	660 gpm @ 300 ft	150 m³/h @ 92 m						
Bulk:	34.7 cfm @ 190 ft	59 m³/h @ 57 m						
Liquid Mud:	330 gpm @ 660 ft	75 m³/h @ 180 m						
Base Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m						

#### **Tow/Anchor Handling**

Winch:	Double Drum Winch with Special Handling Drum (500T) (600T Brake)
Model:	RRM Brattvagg
Line Pull:	400 mt
Tow/AH Wire:	3,200 m / 4,100 m of 76 mm
Work Wire:	13,600 m of 76 mm
Secondary Winch (2):	RRM Brattvagg (210T Brake)
Line Pull:	170 mt
Tow Wire:	2,500 m of 160 mm
Pennant Reels (1):	1,500 m of 76 mm
Shark Jaw:	2 X RRM 600 T SWL
Tow Pins:	4 X RRM 400 T MWL
Chain Lockers (4):	8,000 m of 76mm chain
Chain Handler:	2X76 MM + 2X84 MM
Stern Roller:	2 X RRM (3 X 4.5 M); 750 mt SWL
Misc. Tow Equipment:	Stop Pins: 2xRRM 100 t SWL, 1x300 t Smit Towing Bracket; Centering Device: 2xRRM 45 t SWL

#### **Nav/Comms Equipment**

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Seeed Indicators:	3
Doppler Log:	1
Radio:	2 x VHF
Sat Com:	VSAT/FBB

#### **Accommodations**

No. of Berths:	37
Cabins:	29x1-man & 4x2-man
Certified to Carry:	37
Galley seating:	24
Hospital:	Yes

#### **Deck Equipment**

Anchors (2):	4320 KG SPEK TYPE
Anchor Chain:	380 m of 50 mm chain per side
Windlass:	RRM Windlass/Mooring Winch LBFMX22050
Crane (2):	5 t @ 10 m
Aux Crane (1):	5 t @ 15 m
Capstans (2):	15 t RRM
Tugger (2):	24 t RRM
Aux Tugger (1):	17 t RRM (FWD)

<sup>\*</sup>Approximate values assuming Ideal Conditions

# Further specifications



### Registration

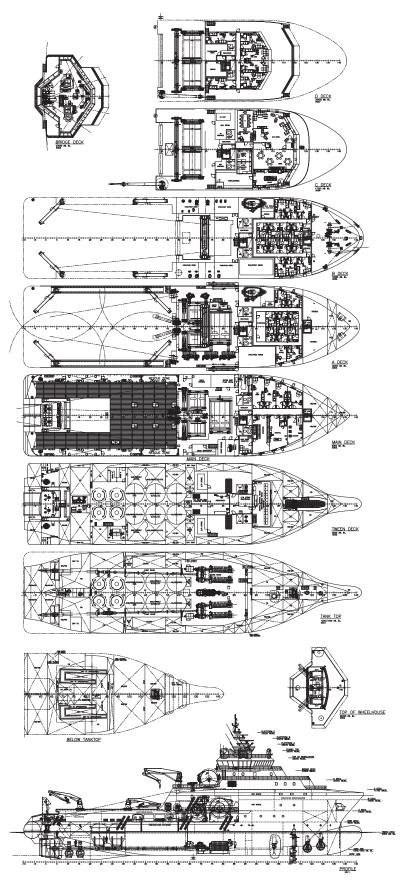
Flag: SINGAPORE	Hon	ne Port: SINGAPORE					
Hull Number: 192		IMO N <sup>o</sup> : 9456197					
Year Built: 2013	Call Sign: 9V2915						
Builder:	PaxOce	an Shipyard Pte. Ltd.					
Tonnage (ITC):	6641 GT	1992 NT					

### **Special Equipment**

Fire Fighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System:	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner MP660 Springer, 10-Man
Fuel Monitoring:	AQUAMENTRO RMS
SPS Compliant:	Yes
Misc:	ROV Garage (L $\times$ W $\times$ H: 9 $\times$ 5 $\times$ 5.5 m); 1x200 MT RRM Anchor Recovery Frame; MSD - 55 Persons; HiPAP Ready

# General Arrangement (Current configuration may vary.)





# Capacity Table



Tank	Contents	Volume m <sup>3</sup>	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
1 DW/WB TK	DW/WB	285.2				285.2								
2 DW/WB TK	DW/WB	291.6				291.6								
3 DW/WB TK	DW/WB	291.8				291.8								
17 DW/WB TK 18 DW/WB TK	DW/WB	154.8 155.0				154.8 155.0								
20 DW/WB TK	DW/WB	211.0				211.0								
21 DW/WB TK	DW/WB	211.0				211.0								
22 DW/WB TK	DW/WB	62.8				62.8								
35 DW/WB TK	DW/WB	96.7				96.7								
40 DW/WB TK	DW/WB	82.5				82.5								
41 DW/WB TK	DW/WB	82.5				82.5								
72 CL/WB TK	DW/WB/CL	156.3				156.3								
73 CL/WB TK	DW/WB/CL	156.3				156.3								
81 DW/WB TK	DW/WB	96.7				96.7								
82 DW/WB TK	DW/WB	96.7				96.7								
104 DW/WB TK	DW/WB	96.7				96.7								
157 DW/WB TK	DW/WB	149.7				149.7								
158 DW/WB TK	DW/WB	149.7				149.7								
161 DW/WB TK	DW/WB	69.1				69.1								
162 DW/WB TK 8 FW TK	DW/WB FW	69.1 169.9				69.1		169.9						
9 FW TK	FW	104.4						104.4						
14 FW TK	FW	196.0						196.0						
15 FW TK	FW	203.8						203.8						
23 FW TK	FW	183.3						183.3						
24 FW TK	FW	183.3						183.3						
29 FW TK	FW	59.2						59.2						
30 FW TK	FW	59.2						59.2						
155 FW TK	SHIP'S FW	98.1					98.1							
156 FW TK	SHIP'S FW	98.1					98.1							
4 FO TK	FO	206.1		206.1										
5 FO TK	FO	206.1		206.1										
33 FO TK	FO	133.3		133.3										
34 FO TK	FO	133.3		133.3										
57 FO SERVICE TK	FO	31.8		31.8										
58 FO SERVICE TK	FO	31.8		31.8										
59 FO SETTLING TK	FO	26.1		26.1										
60 FO SETTLING TK	FO	26.1		26.1										
61 FO/BO TK	FO/BO	112.5	112.5	112.5										
62 FO/BO TK	FO/BO	112.5	112.5	112.5										
63 FO/BO TK	FO/BO	114.9	114.9	114.9										
64 FO/BO TK	FO/BO	114.9	114.9	114.9										
86 FO TK 87 FO TK	FO FO	98.7		98.7										
159 FO TK	FO	114.8 82.1		114.8 82.1										
160 FO TK	FO	82.1		82.1										
66 MUD TK	LM/BR/GLY	83.5		0211						83.5				
67 MUD TK	LM/BR/GLY	83.5								83.5				
68 MUD TK	LM/BR/GLY	82.6								82.6				
69 MUD TK	LM/BR/GLY	82.6								82.6				
74 MUD/CL TK	LM/BR/GLY/CL	156.3								156.3				
75 MUD/CL TK	LM/BR/GLY/CL	156.3								156.3				
76 MUD/FO TK	LM/BR/GLY/FO	156.3		156.3						156.3				
77 MUD/FO TK	LM/BR/GLY/FO	156.3		156.3						156.3				
CEMENT TANK 1	DRY BULK	59.0												
CEMENT TANK 2	DRY BULK	59.0												
CEMENT TANK 3	DRY BULK	59.0												
CEMENT TANK 4	DRY BULK	59.0												
19 LO SPARE TK	LO	5.8										5.8		
32 LO BOW THR	LO	3.2										3.2		
39 LO STERN THR	LO	2.4										2.4		
53 LO MAIN ENG	LO	8.5										8.5		
71 LO STERN TUBE	LO	4.7										4.7		47.0
44 DISP TK	DISP.	17.3												17.3
	-	2			-									
	Total Vo	lume [m³] lume [m³]		1,939.5 1,823.8	0.0	2,965.2 2,965.2		1,159.0 1,159.0	0.0	957.6 957.6	0.0	24.6 24.6	0.0	17.3 17.3

Capacities shown are for lead vessel. Actual capacities may vary slightly.

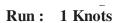
<sup>\*</sup>Capacities shown in RED are excluded from the total volume.

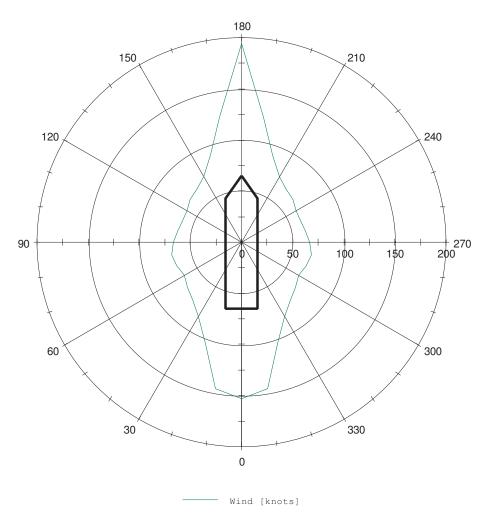
 $<sup>{}^{*}\</sup>text{Capacities}$  shown in **BLUE** are included in another Tank's Capacity.

 $<sup>{}^{\</sup>star}$ Capacities shown in GREEN are counted for multiple Tank Capacities.

# DP Capability Plot







# External: Variable wind velocity rotating 360 deg 1.01 knots wind generated current rotating 360 deg Variable wave height fixed at 0.0 deg