



## UT 786 CD AHTS

#### **Vessel Characteristics**

Length, Overall:	282.2 ft	86 m				
Beam:	65.3 ft	19.9 m				
Depth:	28.9 ft	8.8 m				
Maximum Draft:	24 ft	7.3 m				
Minimum Height:	N/A ft	N/A m				
Freeboard:	4.9 ft	1.5 m				
Displacement:	7,700 lt	7,820 mt				
Deadweight:	3,280 lt	3,330 mt				
Clear Deck Space:	131 x 54 ft	40 x 17 m				
Clear Deck Area:	7,150 ft <sup>2</sup>	660 m <sup>2</sup>				
Deck Strength AFT:	2,050 lb/ft²	10 t/m²				
Class Notations:	DNV: +1A1, Fire fighter(II), Offshore service vessel(AHTS), Standby vessel, BWM(E(s)), Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8),Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF, TMON					

#### Capacities

Deck Cargo:	1,180 lt	1,200 t
Fuel Oil:	394,000 gal	1,490 m <sup>3</sup>
Potable Water:	67,300 gal	250 m <sup>3</sup>
Fresh Water:	190,000 gal	720 m <sup>3</sup>
Drill/Ballast Water:	690,000 gal	2,610 m <sup>3</sup>
Bulk Tanks (4 tanks):	8,310 ft <sup>3</sup>	240 m <sup>3</sup>
Liquid Mud (2.8 SG*): *Max Structural Specific Gravity	4,370 bbl	690 m <sup>3</sup>
Methanol:	1,710 bbl	270 m <sup>3</sup>
Base Oil:	1,130 bbl	180 m <sup>3</sup>
Brine:	2,060 bbl	330 m <sup>3</sup>

# **TIDEWATER**

#### Find out more

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# Further specifications



#### **Machinery**

Main Engines (2):		BERGEN	B32:L40V12P			
Total HP:			16,100			
Propellers (2):	KAMEWA ULSTEIN XF5 CPF					
Gears (2):	RRM 3000AGHC-KS-56					
Kort Nozzles:	2					
Rudders (2):	BECKER MARINE SC-2250/500/K2					
Primary Generators (2):	910 kw	440 v	60 hz			
Driven by:			CAT C32			
Secondary Generators (2):	2,400 kw	440 v	60 hz			
Driven by:			MARELLI			
Emergency Generators (1):	250 kw	440 v	60 hz			
Driven by:			CAT 3406			
Bow Thruster (2):	1XRRM TT 220	DO DP CP, 1XRRI S	M TCNS 92/62 SWING DOWN			
Driven by:	1X883KW E	ELECTRIC MOTO	OR, 1X1500KW CTRIC MOTOR			
Total Thrust:		39.9 st	36.2 mt			
Stern Thruster (2):	RRM TT 2200 DP CF					
Driven by:		736KW ELECTRIC MOTORS				
Total Thrust:		24.7 st	22.4 mt			

#### **Performance\***

Fuel Consumption Vs Speed							
Maximum:	29 m³/day (320 gph) @ 13 knots						
Cruising:	16.3 m³/day (180 gph) @ 11 knots						
Economical:	12 r	m³/day (130 gph) @ 9 knots					
Standby:	1.5 m	n³/day (16.5 gph) @ 0 knots					
Bollard Pull	210 st	190 mt					
Transfer Rates							
Fuel Oil:	880 gpm @ 300 ft	200 m³/h @ 92 m					
Fresh Water:	880 gpm @ 300 ft	200 m³/h @ 92 m					
Drill/Ballast Water:	880 gpm @ 300 ft	200 m³/h @ 92 m					
Bulk:	34.1 cfm @ 200 ft	58 m³/h @ 1 m					
Liquid Mud:	330 gpm @ 600 ft	75 m³/h @ 180 m					
Methanol:	330 gpm @ 300 ft	75 m³/h @ 92 m					

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

Winch:	Triple Drum Winch
Model:	RRM Brattvagg
Line Pull:	400 mt
Tow/AH Wire:	1,730 m / 4,500 m of 84 mm
Work Wire:	2,760 m of 84 mm
Secondary Winch (2):	RRM Brattvagg
Line Pull:	140 mt
Tow Wire:	2,500 m of 160 mm
Pennant Reels (1):	1,600 m of 76 mm
Shark Jaw:	2 X RRM 800 T MWL
Tow Pins:	4 X RRM 400 T MWL
Chain Lockers (4):	6,400 m of 84mm chain
Chain Handler:	2X76 MM + 2X84 MM + 2X102 MM +
Stern Roller:	2 X RRM (3 X 4.5 M); 550 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:	2
Doppler Log:	2
Radio:	4 x VHF;1 x SSB
Sat Com:	2 X INMARSAT C

#### **Accommodations**

No. of Berths:	35
Cabins:	7x1-man & 14x2-man
Certified to Carry:	35
Galley seating:	18
Hospital:	Yes

#### **Deck Equipment**

Anchors (2):	2835 KG
Anchor Chain:	260 m of 48 mm chain per side
Windlass:	RRM Combined Winch/Windlass
Crane (2):	5 t @ 10 m
Aux Crane (1):	15 t @ 15 m
Tugger (2):	24 t RRM
Aux Tugger (2):	12 t RRM (AFT)

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

# Further specifications



## Registration

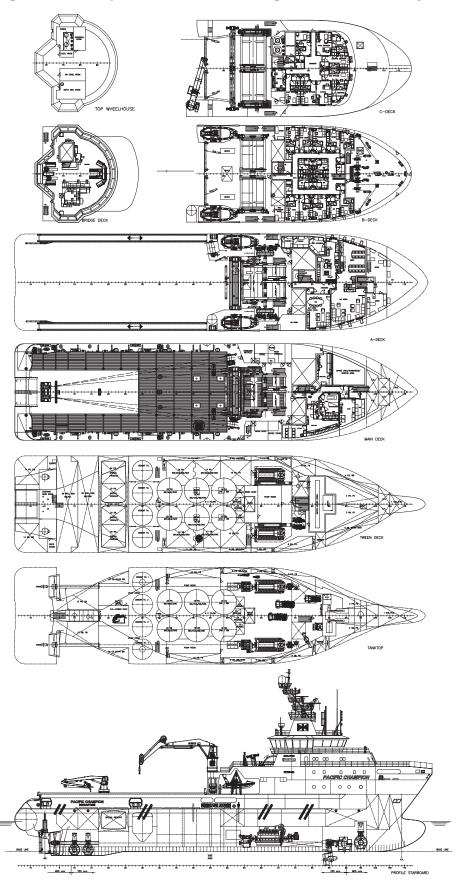
Flag: SINGAPORE	Hon	ne Port: SINGAPORE
Hull Number: 1189		IMO N°: 9455129
Year Built: 2011		Call Sign: 9V9017
Builder:	Sekwang Hea	avy Industries Co Ltd
Tonnage (ITC):	4566 GT	1370 NT

## **Special Equipment**

Fire Fighting:	FiFi-2
Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Mixers:	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner Seabear 23 MKII, 10-Man
Aux. Rescue Boat:	MARITIME PARTNER SEABEAR 23 MKII, 10-MAN
Reefer Sockets:	3x 440V 32A; 4x 220V 16A
Misc:	MSD; HiPAP Ready; ORO Capacity - 1363m3; Prism Nitrogen System - Capacity 188m3/hr @ 95% N2

# 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
1 WB/FW FOREPEAK	DW/WB	201.4	Oli	OII	DUIK	201.4	water	water		muu		Oli		Disp.
5 DW/WB TK 4 PS	DW/WB	84.1				84.1								
6 DW/WB TK 5 SB	DW/WB	40.6				40.6								
7 DW/WB TK 5 PS	DW/WB	40.6				40.6								
10 DW/WB TK 7 SB	DW/WB	99.5				99.5								
11 DW/WB TK 7 PS	DW/WB	102.3				102.3								
12 DW/WB TK 9 SB	DW/WB	98.3				98.3								
13 DW/WB TK 9 PS	DW/WB	96.5				96.5								
16 DW/WB TK 11 SB	DW/WB	57.3				57.3								
17 DW/WB TK 11 PS	DW/WB	57.3				57.3								
18 DW/WB TK 11 PS	DW/WB	45.2				45.2								
19 DW/WB TK 12 3B	DW/WB	45.2				45.2								
22 DW/WB TK 12 PS	DW/WB													
23 DW/WB TK 14 9B	DW/WB	144.7 144.2				144.7 144.2								
24 SPEC. PROD. CD TK 24	DW/WB	284.4				284.4								
25 ROLL REDUCTION TK	DW/WB/ORO	341.5				341.5		045.4						
26 ROLL REDUCTION TK	DW/WB/FW	315.4				315.4		315.4						
44 CL/WB TK 16 SB	CL/WB	157.0				157.0								
45 CL/WB TK 16 PS	CL/WB	157.0				157.0								
72 WB/UREA TK 8 SB	WB/UREA	43.2				43.2								
73 WB/UREA TK 8 PS	WB/UREA	43.2				43.2								
46 BRINE TK 18 SB	BR/WB/CL/ORO	163.9				163.9			163.9					
47 BRINE TK 18 PS	BR/WB/CL/ORO	163.9				163.9			163.9					
40 LM TK 17 SB	LM/BR/WB/FO/ORO	80.4		80.4		80.4				80.4				
41 LM TK 17 PS	LM/BR/WB/FO/ORO	93.8		93.8		93.8				93.8				
42 LM TK 19 SB	LM/BR/WB/FO/ORO	100.5		100.5		100.5				100.5				
43 LM TK 19 PS	LM/BR/WB/FO/ORO	100.5		100.5		100.5				100.5				
48 LM TK 20 SB	LM/BR/FO/ORO	159.4		159.4						159.4				
49 LM TK 20 PS	LM/BR/FO/ORO	159.4		159.4						159.4				
50 FO TK 3 SB	FO	173.1		173.1										
51 FO TK 3 PS	FO	175.9		175.9										
52 FO TK 5 C	FO	77.5		77.5										
54 FO TK 15 SB	FO	88.7		88.7										
55 FO TK 15 PS	FO	101.1		101.1										
56 FO TK 9 C	FO/BO	180.1	180.1	180.1										
57 FO DAY TK SB	FO	27.8		27.8										
58 FO DAY TK PS	FO	27.8		27.8										
59 FO SETTLING TK	FO	23.2		23.2										
60 FO OVFL TK 7 C	FO	35.1		35.1										
67 FO EM GEN	FO	1.8		1.8										
68 FO SETTLING TK	FO	23.5		23.5										
2 FW TK 2 SB	SHIP'S FW	89.1					89.1							
3 FW TK 2 SB	SHIP'S FW	165.8					165.8							
8 FW TK 6 SB	FW	91.2						91.2						
9 FW TK 6 PS	FW	93.8						93.8						
14 FW TK 10 SB	FW	77.8						77.8						
15 FW TK 10 PS	FW	77.7						77.7						
20 FW TK 13 SB	FW	32.1						32.1						
21 FW TK 13 9S	FW	32.1						32.1						
CEMENT TANK 1	DRY BULK	61.8			61.8			0211						
CEMENT TANK 2	DRY BULK	55.9			55.9									
CEMENT TANK 3	DRY BULK	55.9			55.9									
CEMENT TANK 4	DRY BULK	61.8			61.8									
61 LO M.GEAR	LO	7.4			01.0							7.4		
63 LO MAIN ENG	LO	13.2										13.2		
64 LO AUX ENG	LO	7.4										7.4		
65 LO ST TUB	LO	4.9										4.9		
	LO	0.6												
80 LO ST THR		1.8										0.6		
97 LO TUN THR	LO											1.8		
98 LO AZIMUTH	LO	1.8									70.4	1.8		
34 SPEC PROD TK 34 PS	SPEC. PROD.	73.4									73.4			
35 SPEC PROD TK 35 PS	SPEC. PROD.	62.4									62.4			
36 SPEC PROD TK 34 SB	SPEC. PROD.	62.4									62.4			
37 SPEC PROD TK 35 SB	SPEC. PROD.	73.4									73.4			
	Total Vo	lume [m³]	180.1	1,629.6	235.4	3,301.7	254.9	720.1	327.8	694.0	271.6	37.1	0.0	0.0
	Spec Sheet Total Vo						254.9	720.1	327.8	694.0	271.6	37.1	0.0	0.0
	d vessel. Actual capac			· ·	233.4	2,500.3	254.9	720.1	321.0	034.0	21.1.0	3/1	0.0	U.U

<sup>\*</sup>Capacities shown are for lead vessel. Actual capacities may vary slightly.

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

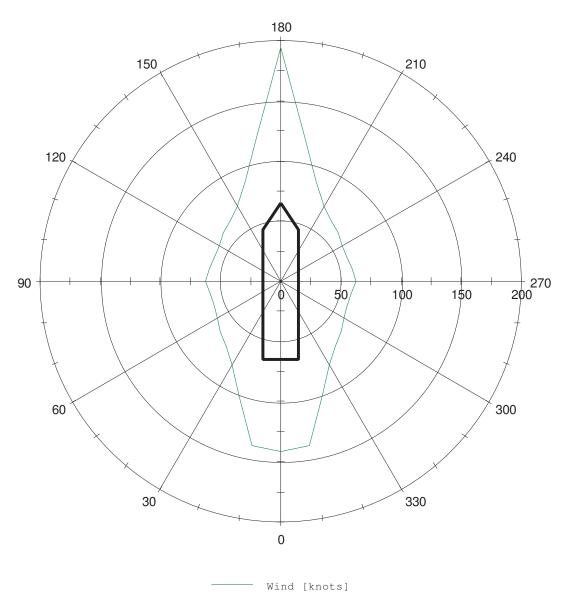
 $<sup>^{\</sup>star}\text{Capacities}$  shown in **BLUE** are included in another Tank's Capacity.

<sup>\*</sup>Capacities shown in GREEN are counted for multiple Tank Capacities.

# DP Capability Plot



#### Run: 1 Knots



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