

SEA ROYAL
AHTS - 5220 BHP - DP1



Principal Particulars		Machinery	
RINA No	98367	Main Engine	5220 bhp – 2 x 2610 bhp @ 750 rpm Yanmar 6EY26
Call Sign	9LU2834	Propulsion	2 x Berg CPP in Kort Nozzles
IMO Number	9541114	Bow Thruster	1 x Schottel STT2, CPP type, Electric drive, 8 tons thrust , 415 kw
Year Of Built	2009	Stern Thruster	1 x Schottel STT1, CPP type, Electric drive, 8 tons thrust , 415 kw
Port of Registry	Free Town	Emerg. Generator	1 x Caterpillar C4.4, 93.6kW, 415 v, 50 hz, 3 ph
Builder	FUJIAN CROWN OCEAN SHIPBUILDING INDUSTRY CO.,LTD - Fuzhou	Sewage Treatment Plant	1 x 40 person capacity, make: SBT-40
Flag	Republic of Sierra Leone	Oily Water Separator	1.0 m3 per hr with 15 ppm alarm
Class	RINA		
Notation	Offshore Support Vessel - supply - anchor handling; tug; fire-fighting ship - 1 - water-spraying; oil recovery ship - flash point > 60- C ; unrestricted navigation		
Dimension		Performance	
Length Overall	60 M	Bollard Pull	65 tons
Breadth Moulded	16 M	Total BHP	5220 BHP
Depth Moulded	6 M	Speed - Average/ Fuel Consumption	10 knots / 6 M ³ / 24H
Max Draft Loaded	5.1 M	Speed- Maximum / Fuel Consumption	13 knots / 11 M ³ / 24H
Gross Tonnage	1706 t	Fuel Consumption in Port	0.9 M ³ / 24H
Net Tonnage	511 t	Type of Fuel	M G O
Deadweight	1736.91 t		

TOW AND ANCHOR HANDLING		Navigation & Communication	
Anchor handling	1 x Double drum electro-hydraulic, Make	Inmarsat C	Furuno Felcom 15
Towing Winch	Plimsoll, 200 tonnes line pull and 250 tonnes (static 1st layer) brake holding capacity Towing winch operation monitored by CCTV from the bridge	GMDSS	Furuno A1+A2+A3
		GMDSS portable radio	3 x ICOM IC-GM1600E
		Mini M	Thrane & Thrane
Upper and lower drum	1000 m (length) x 56 mm (diameter) SWR @ 10 layers	Auto pilot radars	Anschutz Nauto Pilot NP 60, 1 x MU-201CR, 1 x Furuno RDP119
Rated pull (1st layer)	150 tonnes @ 6~0 m / min (1st speed), 75 tonnes @ 12~0 m / min (2nd speed), 50 tonnes @ 18~0 m / min (3rd speed)	GPS Satellite Navigator	1 x Furuno GP-150
		ECDIS	2 x PC Maritime
Brake holding	250 tonnes static @ 1st layer	AIS	1 x Furuno FA-150
Stern Roller	1.6 M (diameter) x 4.2 M (length). 375 tons SWL	Navtex Receiver	1 x Furuno-NX 700B
Shark Jaws	1 x SWL 300 tons, make: Plimsoll, Chain size 70 MM to 95 MM	Gyro Compass / Repeaters	1 x Anschutz Standard 22 1X NAVIGAT, MK 1
		Repeaters	Furuno A1+A2+A3
Towing pins	1 x SWL 300 tons, make: Plimsoll	VHF	3 x Furuno FM 8800 S
Tugger Winch	2 x 10 tonnes @ 15 M / min electrohydraulic make: Plimsoll Brake holding capacity 15 tonnes static at 1st layer	SART	2 x Mcurdo S4
		Doppler log	1 x Furuno DS- 80
Anchor Windlass	1 x 6.6 t @ 12 M / electro hydraulic, make Plimsoll	Weather Fax	1 x Navtex Furuno-NX 700B
Anchor Chain	2 x 412 M x 36MM diameter, grade IIIa stud link chain,	Anemometer	1 x Walker P 305
Anchor	2 x 1590 kg stockless anchor	EPIRB	1 x Mcurdo E5
Capstans	2 x 5 tonnes @ 18 M /min, electrohydraulic, make: Plimsoll	SSAS	1 x Furuno Felcom 15
Port Side	Fixed boom offshore pedestal mounted crane SWL: 5t, working radius: 8m	Magnetic Compass	1 x Saura MR-150
		SSB Radio	1 x Furuno FS 2571 C
		DP system	Class 1, Kongsberg (K-POS DP11)
		References	2 x DGPS (Fugro Seastar 9200) 1 x FANBEAM (MDL MK 4.2)
		Echo Sounder	1 x Furuno FE-700

Transfer Rates		Cargo Capacities	
Fuel oil	1 X 100 M ³ per @ 75 M ahead	Deck Area	380 M ²
Fresh water	1 X 100 M ³ per @ 75 M ahead	Deck cargo capacity	600 tons / 5t / M ²
Liquid mud	2 X 80 M ³ per @ 75 M ahead	Drill Water	477 M ³
Dry bulk	20.5 M ³ per M @ 6 bar air pressure	Potable Water	460 M ³
Recovery oil discharge pump	50 M ³ per hr	Fuel Oil	530 M ³
		Liquid Mud	200 M ³
		Bulk Tanks	160 M ³
		Base oil brine tanks	185 M ³
		Oil recovery tanks	192.9 M ³
		Refrigerator /freezer	20 M ³
		Foam / detergent	10.6 M ³

Safety Equipment		Oil Recovery Equipment & Additional Fire Protection	
Fast Rescue Boat	1 x 15 men capacity with inboard engine, operated by lowering arm davit	2 x 50 kg trolley mounted dry power extinguishable 2 x portable foam applicators with 8 portable tanks Portable oil recovery equipment Personal protective equipment	

Accommodation		Accommodation	
Berth cabins	1 X 4	Passengers	45
Berth cabins	2 X 5	Total	54
Berth cabins	3 X 4		
Berth cabins	1 X 1		
Crew	9		