

DP2 / 6140 BHP ANCHOR HANDLING TUG SUPPLY



PRINCIPAL PARTICULARS		PROPULSION SYSTEM	
Length Overall :	63.4 m	Main Engines:	2 GE7 FDM 12 2X3070 BHP
Breadth Moulded:	15.6 m	GENERAL ELECTRIC:	GENERAL ELECTRIC
Depth Moulded:	6.8 m	Main Generators:	Volvo Penta 2 X 370 KW/440V/3Ph/60 Hz
Draft (max):	5.5 m	Bow Thruster:	2 X 500 KW (HRP) @1200RPM HRP 4000
Draft (design):	5.5 m	Stern Thruster:	1 X 500 KW (HRP) @1200RPM HRP 4000
Built:	India	Propulsion:	2 x CPP in Kort Nozzles; BERG Propulsions
Year of delivery:	2011	DECK EQUIPMENT	
GRT / NRT:	1922 / 650	Anchor Windlass:	NORCRANE - NCW-AW -GG- 38U2-H
Class:	RINA	PERFORMANCE	
Notation:	A1, Towing Vessel, Fire Fighting Vessel Class1, Offshore Support Vessel, AMS, DPS-2	Maximum Speed / Consumption:	13.0 knots / 14 MT/day
Flag:	Sierra leone	Service Speed:	10.0 knots / 11 MT/day
Call Sign:	TBD	Economical Speed/ Consumption:	8.0 knots / 8.75 MT/day
IMO:	TBD	Type of Fuel:	Marine Gas Oil
		Fuel consumption in port:	0.8 MT/day

TUGGER WINCH AND RADIO AND NAVIGATION EQUIPMENT

Gypsies:	38 mm (Ø) U2 chains rated pull 6.9 t x 0~10m/min	GMDSS :	JRC
Warping drum:	6.9T x 0~10m/min	MF/HF :	JRC - JSB-296/NCT -196
Bow Anchors:	2 x 2655 kg high holding power anchors	Inmarsat C :	JRC - JUE 85
Chains:	port side - 275 m (L) x 38 mm (dia) Grade u2 Starboard side -192.5 m (L) x 38 mm (dia) Grade U2	VHF Radio :	2xJRC JHS-770S
Starboard side	219m(8 shackles)(L) x 38 mm (dia) Grad	Navtex Receiver :	1 xJRC NCR -333
Towing/AH Winch:	1 x electro-hydraulic double drum water fall Type	SART :	2 x JRC - JQX-30A
Upper Drum Cap (Tow):	1000 m(L) x60 mm (Ø) SWR	AIS:	1 x JRC - JHS182
Lower Drum Cap (AH) :	1000 m (L) x 60 mm (Ø) SWR	EPIRB:	1 x MCMurdo E5 SMARTFIND 406
Line Pull:	150 mt @ 6.0 m/min at 1st layer	Portable VHF Radios:	3 x JRC JHS-7
Stall Pull:	225mt	Radar:	1 x JRC - JMA 5312-6 1 x JRC - JMA 5332-12
Brake Capacity:	250 mt	Echo Sounder:	1 x JRC - JFE 680
Shark Jaws:	1 x electro-hydraulic Karmoy; SWL 300mt	GPS:	1 xJRC DGPS 224
Tow Pins:	1 x electro-hydraulic retractable Karmoy; SWL 200mt	Gyrocompass:	3 x Anschutz Standard 22
Rope Reel:	1 x electro-hydraulic, Pulling rate 10T @20m/min	Navtex:	1 x JRC - NCR 333
Capstan :	2 x 8 Tonne x 15m/min electro-hydraulic: NORCRANE-NCW-1000-VC-8-H	Autopilot:	1 x NAVIS AP3000
Deck Crane:	1 x SWL 3T, NORCRANE - NCW-SC-058-0312 Outreach 12m, Hoisting speed 0~20M/Min Hook travel: 25M	BNWAS:	1 x Furuno BR500
NORCRANE - NCW-1000-VC-8-H		Weather Fax:	Speed Log 1 x JRC - JAX-9B
Tugger Winch	10Tonne x 15 m/min (1st Layer) electro-hydraulic: NORCRANE - NCW-1000-TUW-10-H Drum Capacity : 250m x Ø26mm (S.W.R @ 6 Layers)	Wind Indicator:	3 x Ultrasonic Anemometer (Gill Instrument)
		DP:	NAV DP4000 - DP2 2x DGPS LD2SVWEPIOS, 1x Cyscan NAV IJS 4000

PUMPS

Fresh Water:	200m3/h x 60m ahead
SWB/Drill Water:	200m3/h x 60m ahead
Liquid Mud:	80m3/h x 60m ahead
Circulation system:	50m3/h x 60m ahead

Remote Control from aft control stand in wheelhouse	
Berths	4 x 1 berth cabins = 4 Cabins
	8 x 2 berth = 16 Cabins
	2 x 6 berth =12 Cabins
Total	32 Cabins

ACCOMMODATION

CARGO CAPACITIES

Deadweight	1886.2 mt @ max draft 5.5m
Cargo	600t
Deck Strength	5t/m ²
Clear Deck Area	428 m ²
Deck Length	33.0m
Deck Width	13.0m
Fuel Oil	796 m ³
Fresh Water	575 m ³
Ballast/Drill Water	410 m ³
Liquid Mud/Base Oil	408 m ³
Brine	199 m ³
Cement Tank	206 m ³
Freezer / Chiller	14m ³ /10m ⁴
Foam / Detergent	20.0 m ³ /20.0 m ⁴
Rescue Zone	Port & Starboard Side

FIRE FIGHTING & ANTI-POLLUTION

FIFI System	Class 1 with water curtain all round
Fire Pump	2 x 1560m ³ /h @~133mlc & 1890 rpm -ABS P/S driven by front PTO of M/E Mid driven by BERG
Monitors - (water/foam):	2 x 1560m ³ /h @133m /50m 2 x 1560m ³ /h @133m /50m at 70m distance
Oil Dispersant System	
Spray nozzle:	2x1-1/4"
Pump	25.3m ³ /h x 32.5m
CO2 system in engine room	capacity: 68L x 17 cylinders
BA Recharging Comp	1 x 210 ltrs/min @ 300 bar
Emergency Fire Pump	1 x 35 m ³ /hr @ 60m head; Pumpquip

5.1 Capability Plot (All 100% thrust).



