

AHT - SUPPLY - DP2 - FIFI1

VALIANT VORTEX

12,000 BHP | 162 TBP



SPECIFICATIONS:

ANCHOR HANDLING & SUPPLY TUG, FIFI 1, DP-2

GENERAL:

Vessel Type: Anchor Handling Tug Supply Vessel DP2
Built: 2009, Japan
Flag: Liberia
Classification: LR
Class Notation: ✱A1, (E), Offshore Support Vsl, AH, Towing Vessel, Fire Fighting Vsl Class 1, ✱DPS-2, ACCU, ✱AMS

DIMENSIONS:

Length Overall: 68.00 m
Length Waterline: 60.00 m
Beam (Moulded): 16.40 m
Depth (Moulded): 7.20 m
Operating Draft: 5.20 m
Draft fully loaded (Max): 6.00 m
GRT: 2428 T
NRT: 728 T
Deadweight: 2546 T

CAPACITIES:

Deck Strength: 10 & 5 T/m²
Deck Cargo: 1000 T
Clear Deck Area: 450.00 m²
Fuel Oil: 990.00 m³
Fresh Water: 537.81 m³
Ballast/Drill Water: 406.95 m³
Liquid Mud: 423.12 m³
Bulk Cement: 250.00 m³
Freezer: 10.0 m³
Foam/Detergent: 25.01 m³
Chiller: 8.8 m³
Rig Chain Locker: 2 x 76.62 m³
Brine: 2 x 130.56 m³

MACHINERY:

Main Engines: 2 x 4500 kW, Wartsilla 9L32
Main Generators: 2 x 320kW diesel driven.Caterpillar 3406 440 V, 3 Phase, 60 Hz
Shaft Alternator: Leroy Somer, 2 x 1800 Kw, Ack DSG86 MI -4W
Emergency Generator: 1 x 72 Kw@450v, 60Hz
Bow Thruster: 2 x800 kw, Wartsila CTI 75M-D
Stern Thruster: 1 x800 kw, Wartsila CTI 75M-D, 1 x 500Kw Wartsila
Steering Gear: 2 x Rolls Royce
Propulsion: 2 x 4 bladed CPP, in Kort Nozzle
Rudders: 2 x Rolls Royce Ulstien Hinze

PERFORMANCE:

Bollard Pull: 162 T
Speed(max): 14 Kts
Speed(econ): 11 Kts
Type of Fuel: Marine Gas Oil

**AHT - SUPPLY - DP2 - FIFI1****VALIANT VORTEX****12,000 BHP | 162 TBP****ANCHOR HANDLING & TOWING:**

Anchor Windlass:	1 x electro hydraulic Fukushima F3842II-W216
Anchor & Chain:	2 x AC 14 High Holding Power Anchors
Capstan:	2 x IOT@19 m/min electro Hydraulic
Tugger Winch:	2 x 12 T@24 m/min electro Hydraulic, Fukushima
Deck Crane:	1 x 5Ton@12m
Shark Jaw:	2 x 300 T SWL, Karm Fork
Towing Pin:	1 x 160T SWL, Hydraulically Operated
Towing Bollard:	1 set, Double Bit Cruciform Towing, 160 T SWL
Stern Roller:	450 T SWL (L=4.0 M, Dia: 2.0 M)
Towing / AH Winch:	Double Drum Water Fall, Electro Hydraulic Fukushima HCAS-10/450
Upper Drum (Tow):	2500 m x 76mm dia
Lower Drum Cap(AH):	2500 m x 76mm dia
Line Pull:	300T@10.2m/min (1st Layer)
Brake Holding Capacity	450 t 104T at 29.7 m/min
Storage Reel:	1500 m x 76 mm Dia (Auto Spooling on both drums capable of being controlled)

NAVIGATION/ COMMUNICATION:

GMDSS:	Area A3
Inmarsat C:	JRC
VHF Radio:	JRC, 2 x 25 watt RF, 156.525 MHz
Navtex Receiver:	JRC, JQX30A
Radar J:	RC NCR-333
Echo sounder:	1 x JRC JFE-582
PA & Telephone System:	24 Position
AIS:	JRC, Model:JHS-1821
Doppler Speed Log:	JRC, JLN-20 5, 1
Weather Fax Receiver:	JRC, JAX 9A
Auto Pilot:	NAVIS-Compatible with Gyro & Steering
Dynamic Positioning:	Converteam ADP21
SSAS:	JRC, Model: JUE-95, SA
EPIRB:	Provided
SART:	Provided

Vessel also fitted with PA Talkback System and Self Powered Telephone

ACCOMODATION:

Total:
30 Berths, Fully Air-Conditioned & c/w attached washroom

6 x 1 berth cabins = 6
6 x 2 berth cabins = 12
3 x 4 berth cabins = 12
1 X 1 hospital = 1

DISCHARGE RATES:

Fuel Oil:	1 x 150 m ³ /hr@90 m head
Fresh Water:	1 x 150 m ³ /hr@90 m head
Drill Water:	1 x 150 m ³ /hr@90 m head
Liquid Mud:	2 x 75 m ³ /hr@180 m head
Bulk Cement Compressor:	2 x 20 m ³ /hr@0.59 Mpa
Base Oil Pump:	1 x 75 m ³ /hr@180m head
Brine Pump:	1 x 75 m ³ /hr@180m head

FIREFIGHTING - FIFI CLASS 1:

FiFi System:	Class 1 with water curtain all round
Fire Pump:	2 x 1500 m ³ /hr@14 bar
Monitors:	2 x fire monitors
water/foam:	1 x 1200 m ³ /hr
water:	1 x 1200 m ³ /hr,
Oil Dispersant System:	8 m spray boom with Oil Dispersent Pump
Fire Detection System:	UNITOR

INTERNAL:

Emergency Fire Pump 1 x 30 m³/hr x 60m head
CO2 System in engine Room
Fire Detection & Alarm in living Spaces and Engine Room

MISCELLANEOUS:

Life rafts:	6 x 16 men, SOLAS Standard
Rescue boat:	1 x 15 men
Oily Water Separator:	1 x 1.0 m ³ /hr
Water Maker:	1 x 10T/day
Sewage Treatment Plant:	1 x 40 men/day (2400 L)
Oil Dispersant System:	2 x 6m length spray boom Pump: 1 x 11 m ³