

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
IMO no:	9427665
Official no:	23712
Call Sign:	5LPB2
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:	2430 T
NRT:	782 T
Deadweight:	2503 T

CAPACITIES:

Deck Strength:	10 & 5 T/m ²
Deck Cargo:	1000 T
Clear Deck Area:	440.00 m ²
Fuel Oil:	990.00 m ³
Fresh Water:	537.81 m ³
Ballast/Drill Water:	406.95 m ³
Liquid Mud:	423.12 m ³
Bulk Cement:	250.00 m ³
Freezer:	10.0 m ³
Foam/Detergent:	25.01 m ³
Chiller:	8.8 m ³
Rig Chain Locker:	2 x 76.62 m ³
Brine:	2 x 130.56 m ³

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 x 800 kW, Wartsila CTI 75M-D
Stern Thruster:	1 x 800 kW, Wartsila CTI 75M-D, 1 x 500 kW 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



Commercial and Operational Office

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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 10T@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
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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