

DP1 6600 BHP AHTS

REGISTRATION:

Flag : VANUATA
Port of Registry : PORT VILLA

Builder : ZHEN JIAN SHIPYARD
Year of Built : 2004
Class : ABS*Al,Towing Vessel,FFV-1, OSV, AH,
(E) *AMS
Tonnage : 1,720 GRT / 516 NITCT
Hull Number : 686

CHARACTERISTICS:

Length Overall : 64m
Beam : 15m
Depth : 5.8m
Maximum Draft : 4.8m
Deadweight : 1,396 Lt / 1,419 Mt
Deck Strength : 1,537 Lb/Ft² / 7.5Mt/m²

CAPACITIES:

Deck Cargo : 508 t
Cargo Water : 271.6 t
Fuel Oil : 553.6 t
Potable Water : 530 t
Bulk Tanks : 169.9 m³
Drilling Fluid : 300.1 m³
Fire Fighting Foam : 5,284 gal
Oil Dispersant System : 5,284 gal / 21.6 t

MACHINERY:

Main Engine : (2) Wartsilla 6R32LNE
Horsepower : 6600
Gears : (2) Wartsila SCV62-P44
Propellers : (2) CPP 4 Blade 2800mm dia
Kort Nozzles : (2) Wartsila
Rudders : (2) Becker
Primary Generators : (2) 1,040 kW 415 V 50 hZ
Driven By : Shaft driven
Secondary Generators : (2) 300 kW 415 V 50 hZ
Driven By : Diesel Engine
Driven By : KTA 19 Diesel Engine
Emergency Generators : (1) 80 kW 415 V 50 hZ
Driven By : Diesel Engine
Bow Thruster : (1) Kawasaki KT – 72B1
Driven By : Main Generator
Thrust : 9 st 8 t
Stern Thruster : (1) Kuwasaki KT – 72B1
Driven By : Main Generator
Thrust (Max) : 9 st 8 t

VESSEL MOORING:

Windlass : (1)Electro-hydraulic anchor
windlass; capacity 9 t
Anchors : (2)
Capstans : (2)Electro-hydraulic sapstans
installed P&S;pullin
Rope : Polypropene
Bow Anchors : High Holding Force Anchors

PERFORMANCE:

Speed vs Fuel Consumption (Assuming Fair Weather)
Maximum : 11 m³/day @ 14 Knots
Cruising : 9.5 m³/day @ 10 Knots
Economical : 6.5 m³/day @ 8 Knots
Standby (Gen. only) : 1.0 m³/day @ 0 Knots
Range @ 8.0 Knots : 8,240 nm
Bollard Pull : 90 st / 80.26 t

TRANSFER RATES

Cargo Water : 85 t/h @ 75 m
Fuel Oil : 106 t/h @ 75 m
Potable Water : 106 t/h @ 75 m
Drilling Fluid : 240 t/h @ 75 m

ACCOMMODATIONS:

Staterooms : (4)-1Man (5)-2Men (5)-4Men
Hospital : Yes
Air Conditioning/Heating : Yes

TOWING & ANCHOR HANDLING

Winch : Zicom
Model : HWTW-150/60x2
Line Pull : 330,750 lbs
Capacity : 6,562 ft of 2.36 in
Pennant Reels : (1) 3,281 ft of 2.36
Tugger : (2) electro-hydraulic with (1) wire
drum (1) warping head
Line Pull : 22,000 lbs
Capstan : (2) Zicom
Line Pull : 11,025 lbs
Stern Roller : 1.6m x 5m
SWL : 220
Tow Pins : Karmoy 160T
Shark Jaw : Karmoy 300T

ELECTRONICS

Radar : 2
Radio : VHF – 2
Depth Sounder : 1
Magnetic Compass : 1
Gyro Compass : 2
GPS : 1
NAVTEX : 1
GMDSS : 1
Chronometer : 1
Auto Pilot : 1

SPECIAL EQUIPMENT:

Fire Fighting : Yes
F.S. Fire Suppression : SOLAS
Dynamic Positioning : DPS-1 Unclassed
Crane : Yes
Crane Rating : 6,615 lbs @ 10 ft
Rescue Zone : 5 mts in length both side
MSD
Water Maker