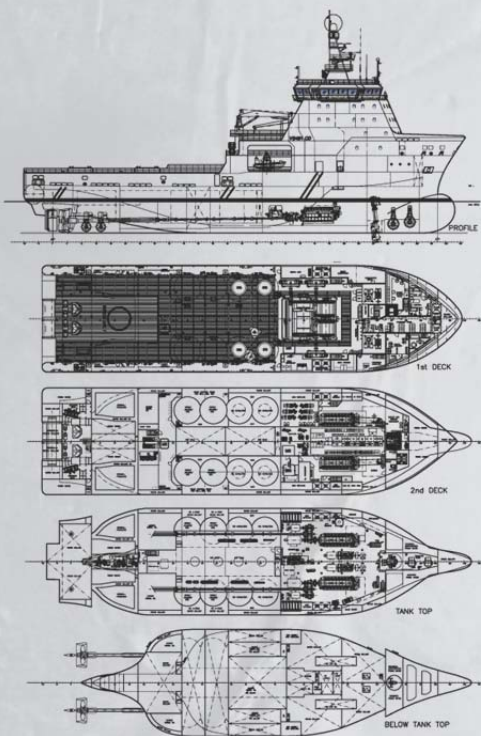




DEEP SEA 1 DP2 AHTS



General Arrangement



Key Features

- DP2
- 25,200 - Total HP
- 810 SQM Deck Space
- 245 T Bollard Pull



DEEP SEA 1

DP2 AHTS

Class Notation	✠ 1A1 ICE-C Tug Supply Vessel Fire Fighter I SF COMF-V(3) E0 DYNPOS- AUTR NAUT-OSV(A) CLEAN DESIGN DK(+) HL(2.8) BIS TMON
Place of Build	Batam- Indonesia
Year of Build	2010
Flag	Indonesia

Main Particulars

Design	VS 491 CD AHTS
LOA	81.97 m
Breadth	21.95 m
Depth	9.56 m
Max Loaded Draft	8 m

Performance

Max Speed	17 knots
Economical Speed	13 knots
Bollard Pull	245 t

Capacities

Deadweight	4,500 t
Gross Tonnage	7,531 t
Deck Cargo	850 t
Cargo Deck Dim.	45m x 18.5m
Deck Area	810 m ²
Deck Strength	15t/m ²
Dry Bulk Capacities	524m ³
Drill / Ballast Water	2,922 m ³
Potable Water	1,055 m ³
Oil Based Mud	632m ³
Brine	632 m ³
Base Oil	637m ³
Fuel Oil	1,242 m ³
ORO	1244 m ³
Freezer Room	8m ³
Cooler Room	8m ³

Deck Equipment

Capstans	4 x 15 t @ 0 - 30 m/min
Tugger Winch	2 x 25 t @ 0 - 20 m/min
Deck Crane	Port/ Stbd Main deck 2 x 6t@17m 25t@12m
FRC	Normar FRC 650 inboard jet

Anchoring Equipment

Windlass	2 x 8 t @ 0 - 22 m/min
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Discharge

Fresh Water	2 x 150m ³ /hr @ 9bar
Ballast / Drill Water	2 x 150m ³ /hr @ 9bar
Dry Bulk	75t/hr
Liquid Mud / Brine	2 x 100m ³ /hr @ 24bar
Base Oil	2 x 100m ³ /hr @ 9bar
Fuel Oil	2 x 150m ³ /hr @ 9bar

Propulsion and Machinery

BHP – Main Engines	21,456 hp / 16000kW
Total Power (Boost+Azimuth)	25,200 hp / 18,800 kW
Main Engines	2
Main Engines: Make / Type	MAK 16M32C
Propellers	2 x Scana CPP

Thruster

Bow	2 x 880 kW
Stern	2 x 800 kW
Azimuth	1 x 800 kW

Auxiliary Engines

Shaft Generators	2x 4500 kw
Diesel Generator	2 x1800 kw
Emergency Generators	1 x 465 kw
Supply System - Voltage	220V 440V 690V

Accommodation

State Cabins	4 x 1 berths
Single Berth Cabins	16 x 1 berths
Double Berth Cabins	20 x 2 berths
Total Accommodation	60 persons
Mess	45 persons

Towing and Anchor Handling Winch

AHT Winch	500 t
Line Pull	500 t
Stall Pull	600t
Break Capacity	600 t 1 st Layer
Towing Drum	2 x1500/3250 mm,2200mm
Anchor Handling Drum	1 x1800/4300 mm,4400mm
Speed	17.5m/min @ 500t
Shark Jaws	2 x 750 Triplex
Towing Pin	2 x 350t triplex
Spare Wire Reel	2 x 4000m x 76mm
Stern Roller	2 x 600 t, 2 x 4,000 mm

Dynamic Positioning System

DP System	DP2
References	Kongsberg K0PoS DP2 DP System; Kongsberg C-Joy Ind Joystick System

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