

AHTS 60M DP-1 - VOS APHRODITE (3056)



GENERAL

Place of Build	Fujian South East Shipyard, China
Vessel Type	AHTS
Year Built	2011
Flag	Gibraltar
Call Sign	9V8666
Class	RINA
C - Tug; Supply Vessel - Anchor Handling ; Oil Recovery Ship - flash point >60°C;	
Fire-Fighting ship - 1 -, Water-spraying, Unrestricted navigation; Dynapos AM, Efficient Ship 13.5; 1446	

PRINCIPAL DIMENSIONS

Length Overall	59.25 m
Beam	14.95 m
Maximum Draft	4.95 m
Net Registered Tonnage	503 t
Gross Registered Tonnage	1678 t

MACHINERY & PROPULSION

Main Propulsion Number	2
Main Propulsion Type	CAT 3516B Diesel
Total BHP	5150
Propellers	2 x CPP in Fixed Kort Nozzles
Bow Thruster	1 X Kawasaki KT-72B3 - 515 kW
	8 t
Stern Thruster	1 x Kawasaki KT-55B3 - 390 kW
	6 t
Main Generators	2 x CAT C18 350 kW
Shaft Generators	2 x 800 kW
Emergency Generators	1 x CAT 65 kW
Rudders	Standard

Total BHP

Fuel consumption @ 12 Knots	About 11.5 MT per day
Fuel consumption @ 10 Knots	About 8 MT per day
Fuel consumption @ 8 Knots	About 6 MT per day
Fuel consumption in port	About 0.5 MT per day
Fuel consumption in DP mode	About 6 MT per day
Fuel Type	ISO 8217: 2005 DMA - Marine diesel oil

CARGO CAPABILITIES

Fresh Water	360 m ³ @ 100 m ³ per hr at 75 m head
Drill Water	253 m ³ @ 100 m ³ per hr at 75 m head
Fuel Capacity (100%)	535 m ³ @ 150 m ³ per hr at 75 m head
Liquid Mud	378 m ³ @ 70 m ³ per hr
Dry Bulk	4 x 1650 cu ft each, total 6,600 cu ft
Dead Weight	1360 t
Clear Deck Area	350 m ²
Deck Cargo	500 t

ACCOMMODATION

Crew	13
Passengers	12
Hospital	yes

COMMUNICATIONS EQUIPMENT

HF Radio	Furuno RC-1500-1T 400W
VHF Radio	2 x Furuno
Portable VHF Radio's	3 x Furuno
Satellite Communications (Voice and Fax)	Furuno SAT C
E.P.I.R.B	McMurdo 406
GMDSS Compliance	Area A3

NAVIGATION EQUIPMENT

Radar No. 1	Furuno X-band (21" screen)
Radar No. 2	Furuno X-band (15" screen)
GPS	GP 150
Echo Sounder	Furuno FE 702
Navtex	NX 700
Auto Pilot	Nautopilot NP 60
Gyro Compass	Anschutz STD 22
DP System	Kongsberg
Reference System 1	DGPS FUGRO Seastar XP
Reference System 2	DGPS FUGRO Seastar G2

DECK MACHINERY

Tugger Winch	2 x 10 t @ 15m/min
Capstan	2 x 5 t @ 15m/min
Deck Crane	1 x 3 t @ 9 m

TOWING & ANCHOR HANDLING

Bollard Pull	65 t
Winch	Plimsoil Waterfall Type
Line Pull	150 t
Brake Capacity	200 t
Anchor Handling Wire and Towing Wire	100 m and 1000 m x 56 mm
Anchor Handling Wire Capacity	100 m x 56 mm
Tow Drum Capacity	1000 m x 56 mm
Spare Tow Wire Capacity	1000 m x 56 mm
Stern Roller	4.0 m x 1.6 m - SWL 200 t
Tow Pins	2 x Closed Top Type SWL 200 t
Shark Jaws	Shark Jaws - SWL 200 t

LIFE SAVING APPARATUS

Life rafts	Total: 6 = capacity 150 men
Rescue Boat	25 HP OBM, capacity 6 men

EXTERNAL FIRE FIGHTING

Capacity	FIFI 1 - 2400 cu m per hr
Monitor	2 x 1200 cu m per hr
Throw x Height	120 m x 50 m

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