



# VOS APHRODITE

## Anchor-handling tug supply vessel

DP-1

Vessel number 3056

### GENERAL

Flag	Gibraltar
Place built	Fujian South East Shipyard, China
Year built	2011
Class	RINA
Class notation	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
Call sign	9V8666
Vessel type	Anchor-Handling Tug Supply vessel

### PRINCIPAL DIMENSIONS

Length overall (LOA)	59.25 m
Beam	14.95 m
Maximum draft	4.95 m
Net registered tonnage	503 t
Gross registered tonnage	1,678 t
Deadweight	1,360 t

### MACHINERY & PROPULSION

Main propulsion output	2
Main propulsion type	CAT 3516B diesel
Total BHP	5,150
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 generator	2 x CAT C18 350 kW
Shaft generator	2 x Leroy Somer 800 kW
Emergency generator	CAT 65 kW
Rudders	Standard

### PERFORMANCES

Fuel consumption at 12 knots	Abt 11.5 mt/day
Fuel consumption at 10 knots	Abt 8 mt/day
Fuel consumption at 8 knots	Abt 6 mt/day
Fuel consumption in port	Abt 0.5 mt/day
Fuel consumption in DP mode	Abt 6 mt/day
Fuel type	ISO 8217: 2005 DMA - marine diesel oil

### LIFE-SAVING EQUIPMENT

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

### EXTERNAL FIRE FIGHTING

Capacity	FIFI 1 - 2,400 cu m per hr
Monitor	2 x 1,200 cu m per hr
Throw x height	120 m x 50 m

### CARGO CAPABILITIES

Fresh water	360 m <sup>3</sup> @ 100 m <sup>3</sup> /hr at 75m head
Drill water	253 m <sup>3</sup> @ 100 m <sup>3</sup> /hr at 75m head
Fuel capacity (100%)	535 m <sup>3</sup> @ 150 m <sup>3</sup> /hr at 75m head
Liquid mud	378 m <sup>3</sup> @ 70 m <sup>3</sup> /hr
Dry bulk	186.88 m <sup>3</sup> @ 13 m <sup>3</sup> /hr (4 x 1,650 cu ft each)
Clear deck area	350 m <sup>2</sup>
Deck cargo	500 t

### COMMUNICATIONS EQUIPMENT

HF radio	Furuno RC-1500-1T 400W
VHF radio	2 x Furuno
Portable VHF radio	3 x Furuno
Satellite communications	Furuno SAT C (voice and fax)
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)
Echo sounder	Furuno FE 702
Navtex	NX 700
Gyro compass	Anschutz STD 22
Auto pilot	Nautopilot NP 60
GPS	GP 150
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
Capstans	2 x 5 t @ 15m/min
Deck crane	1 x 3 t @ 9 m

### TOWING & ANCHOR HANDLING

Bollard Pull	65 t
Winch	Plimssoll waterfall type
Line Pull	150 t
Brake capacity	200 t
Anchor handling wire and towing wire	100 m and 1,000 m x 56 mm
Anchor handling wire capacity	100 m x 56 mm
Tow drum capacity	1,000 m x 56 mm
Spare tow wire capacity	1,000 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	SWL 200 t

### ACCOMMODATION

Crew	13
Special personnel	12
Hospital	Yes

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