



# VOS ATHENA

## Anchor-handling tug supply vessel

DP-1

Vessel number 3061

### GENERAL

Flag	Singapore
Place built	Fujian South East Shipyard, China
Year built	2012
Class	LR*100 A1 AHTS, Fire-Fighting Ship 1 (2,400 m <sup>3</sup> /h) with waterspray, *LMC, DP(AM)
Call sign	9V8670
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 number	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 800 kW
Emergency generator	CAT 65 kW
Rudders	Standard

### PERFORMANCES

Fuel consumption at 9.5 knots	Abt 9 m <sup>3</sup> /day
Fuel consumption at 7.5 knots	Abt 7.9 m <sup>3</sup> /day
Towing at 4.5 knots	Abt 16 m <sup>3</sup> /day
DP mode	Abt 4 m <sup>3</sup> to 6 m <sup>3</sup> /day
General field duties - average	Abt 6 m <sup>3</sup> /day
Fuel type	ISO 8217: 2005 DMA or later revisions

### ACCOMMODATION

Crew	12
Passengers	28
Beds	(1 x 2 beds) & (7 x 4 beds)

### LIFE-SAVING EQUIPMENT

Life rafts	Total 6: capacity 150 men
Rescue boat	15 HP OBM, capacity 6 men

### EXTERNAL FIRE FIGHTING

Capacity	FIF1 - 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	400 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	4 x 1,650 cu ft each
Clear deck area	340 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
Remote Fuel Monitoring System	Krohne flowmeters + eGenKit system

### 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

### 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	66 t
Winch	Plimsoll 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

05/02/2023

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