



VOS ARES

Anchor-handling tug supply vessel

DP-1

Vessel number 3058

GENERAL

Flag	Singapore
Place built	Fujian South East Shipyard, China
Year built	2012
Class	ABS FIFI 1 DPS 1
Call sign	9V8668
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 ³ /day
Fuel consumption at 7.5 knots	Abt 7.9 m ³ /day
Fuel consumption while towing at 4.5 knots	Abt 16 m ³ /day
Fuel consumption in DP mode	Abt 4 m ³ to 6 m ³ /day
General field duties - average	Abt 6 m ³ /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	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 ³ @ 100 m ³ /hr at 75m head
Drill water	400 m ³ @ 100 m ³ /hr at 75m head
Fuel capacity (100%)	535 m ³ @ 150 m ³ /hr at 75m head
Liquid mud	378 m ³ @ 70 m ³ /hr
Dry bulk	4 x 1,650 cu ft each
Clear deck area	340 m ²
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 (RFMS)	ArKrohne 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	65 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

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