

MULTIPURPOSE ANCHOR HANDLING TUG CUM SUPPLY VESSEL TYPE VS4612 MK II

Year built	
Builder	Bharati Shipyard Ltd., Mumbai, India
Designer	Vik-Sandvik AS
Port of Registry	-
Call sign	-
Class	DNV
Owners	Norwegian Shipping Ltd.
Official Number	-
IMO Number	9499395

DIMENSIONS

Length Overall	74.10 m
Breadth Moulded	17.00 m
Depth Moulded	7.50 m
Draft, normal oper	6.20 m
Draft, summer	
GT.	Approx. 2924
NT	Approx. 878
DWTat assigned draft	Approx. 2700T
Speed	16 knots
Classification	DNV + 1A1, Tug Supply Vessel, SF, EO, DPS-2, dk(+), hl(2.8) TMON, Clean, Fi Fi I

MACHINERY

Main Engine	4 Stroke, 2x4500 KW, 600 rpm, MGO
Propellers	2 Nos. CPP, 4 blade, 143 rpm
Rudders	2 Nos. Flap Rudder
Bow thruster	2 x 600 KW El-driven CP Fwd.
Stern Thruster	1 x 600 KW El-driven CP
Generators	1 x 200 KW, 237 KVA, 1800 rpm 2 x 390 KW, 400 KVA, 1800 rpm
Joystick Control	Yes

ANCHOR HANDLING & TOWING

Bollard Pull	Min. 150T
AHT Winch	Double drum waterfall type
Line pull	300T @ 0-11 m/min
Brake capacity	400T
Drum capacity	2500 m
Rig chain wildcats	-
Control	Local
Storage wire reels	2500m x 1
Tugger winches	6.7T @ 0-69 m/min
Stern roller	1 x 500T SWL
Shark Jaw tow pin	2 x 450T SWL
Rig chain locker	Yes
Aft deck strengthened	Yes
<u>Cargo Capacities</u>	5T/m ²
Deck cargo	Approx. 1000T(Clear deck space: 500 m ²)

Fuel oil	720 m ³
Drill/ballast water	965 m ³
Potable water	600 m ³
Dry bulk: 4 Tks capacity	230 m ³
Liquid mud/Brine	570 m ³
Base oil	180 m ³
Freezer room	-25° C
Dry provision	+8° C

PUMPING

Fuel oil	2x250 m ³ /h at 1500 cst NPSH
Drill water	1x200 m ³ /h Centrifugal vertical
Fresh water supply	2x200 m ³ /h Centrifugal vertical
Bulk	75t/hr
Liquid mud	1x75 m ³ /h eccentric screw
Brine pump	1x75 m ³ /h eccentric screw

EXTERNAL FIRE FIGHTING (FI - FI 1)

One main engine driven pump	2 x 1600 m ³ /h @ 16 bar
Monitors	2 x min 1200 m ³ /h @ 12 bar
Foam tank	
Dispersant tank/nozzles	Approx. 6 cu m

ANCHOR & MOORING

Anchors	2 x Stockless Bow Anchor "Spek" type-2850 kg
Anchor Chain	42mm dia 16 nos. length each side
Capstans	2 x 15T Electric/electro-hydraulic driven

ACCOMMODATION

Officers & crew	
Character	
Total	40 Person

NAVIGATION & COMMUNICATION

Radars (2 sets)	1 no. 10 cm / S BAND, ARPA 1 no. 3 cm / S BAND, ARPA
Echo Sounder	1
Auto Pilot	1 + 1 auxiliary
Gyro Compass	2
Doppler speed log	1
Navtex	1
DGPS / GLONASS	1
GMDSS (A1+A2+A3) Equipment:	3
Jotron / Sarsat	1
Magnetic compass	1
P.A. system	
AIS, SSAS, VDR	1 each
Integrated joystick	
Inmarsat C	2
Inmarsat B	1

MISCELLANEOUS

One provision crane (deck) - 1.5T SWL @ 15 m
Fast rescue boat - One (1) 6 person boat & One (1) 9 person boat

Fire fighting & Life saving

As per SOLAS
