

TERMINAL SUPPORT TUG 4513

45 M | 80 TBP



SPECIFICATIONS:

AZIMUTH STERN DRIVE TUG / FIRE FIGHTING TUG

GENERAL:

Year Built:	2012, Qingdao Qianjin Shipyard
Flag:	St. Vincent & Grenadines
Port of Registry:	Kingstown
Class:	Bureau Veritas
Notation:	I, HULL, MACH, Tug; Fire Fighting Ship 1 with water spray, AUT-UMS, IWS

DIMENSIONS:

Length Overall:	45.64 m
Length B.P. :	42.78 m
Beam Moulded:	13.20 m
Depth Moulded:	6.00 m
Draft :	5.30 m
Clear Deck Area:	200 m ²
GRT:	906 T
NRT:	271 T
DWT:	544

CAPACITIES:

Fuel Oil:	371.6 m ³
Fresh Water:	148.2 m ³
Ballast Water:	123.7 m ³
Foam:	5.2 m ³

MACHINERY & PROPULSION:

Main Engines:	2 x Niigata 8L28HX 2206kW @ 750 rpm/each
Propulsion:	2 x Z-peller (360 degree azimuth) Manufacturer: Niigata; Model No.: ZP-41 Propeller Diameter: 2700 mm; Propeller speed: 220 rpm
Bow Thruster:	1 x 315 kW, Kawasaki CPP, 5.1 T Thrust Model No.: KT-43B1

POWER GENERATION:

Main Generators:	2 x Scania, 425kW@1500rpm
Emergency Generator:	1 x Scania, 250kW@1500rpm

PERFORMANCE:

Bollard Pull Ahead (SBP):	80.0 T
Bollard Pull Astern:	74.6 T
Design. Speed:	13 knots

FUEL CONSUMPTION:

6 m ³ /day @ eco
15 m ³ /day @ 100% MCR



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TOWING EQUIPMENT:

Winch forward:	30T x 10m/min, Brake force: 220T, 1 x 300m x 54mm wire
Winch Aft (Waterfall):	90T x 6m/min, Brake force: 225, Main: 1 x 1000m x 54mm wire (225 MBL) Work: 1 x 150 m x 38mm wire (112MBL) 1 x Spare as main
Storage Reel:	8T@25m/min (Break Force 15T)
Capstan:	2 x 5T @ 15m/min
Sharkjaw:	200T
Towing Pins:	200T
Tugger winch:	2 x 10T x 10m/min

ACCOMMODATION:

Berth / Cabin:	12 cabins 22 berths (max 2/cabin)
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NAVIGATION/ COMMUNICATION:

GMDSS area:	A3
Broadband:	FBB 250 thrane & thrane
VHF:	2 x Furuno FM-8800S
Satellite Communication:	Furuno Felcom-16/Felcom-15
GPS:	Furuno GPS-150
Radar:	Furuno FAR-2117 Furuno FAR-8122
Magnetic Compass:	1 x Saura SR-165
Auto Pilot:	1 x Simrad AP-50
Echo Sounder:	1 x Furuno FE-700

MISCELLANEOUS:

Deck crane:	1xPalfinger knuckleboom - SWL 5T @ 6M
MOB boat:	1 x FRC boat @ 34kn