

UNIWISE SONGKHLA

Multi Offshore Terminal Tug

PRINCIPAL PARTICULARS

Year Built	2011
Place Built	Qing Dao, China
Design	Offshore Ship Designers
Flag	Thailand
Length Overall	45.64 m
Length BP	42.36 m
Breadth Moulded	13.20 m
Depth Moulded	6.00 m
Draft (max)	5.30 m
Freeboard (SLL)	0.41 m
Class	BV
Notation	I x Hull x Mach, Tug, Fire Fighting 1 - Water Spraying, Unrestricted Navigation, AUT-UMS, Inwatersurvey
GRT/ NRT	906.00 T / 271.00 T
Deadweight	768.00 T
Bollard Pull	77.20 T (Ahead), 85.80 T (Astern)

DECK PARTICULARS

Clear Deck Area	140.00 m ²
Deck Carrying Load	250.00 T
Deck Strength	5.00 T/m ²

PERFORMANCE

Maximum Speed	13 Knots @ 21 T/24hrs
Economic Speed	7 Knots @ 7 T/24hrs

PROPULSION SYSTEM

Main Engines	2 x Niigata 8L28HX, 2997 BHP, 2206 kW @ 750 RPM, Total 5994 BHP
Auxiliary Engines	2 x Scania CV AB D11655M, 450 kW @ 1500 RPM; 1 x Scania CV AB D11262M, 280 kW @ 1500 RPM
Emergency Generator	Nil
Air Compressor	Deno, L2-20
Bow Thruster	Kawasaki KT-43B1 CPP, 5.10 T Thrust
Propellers	2 x Solid Screw Propeller LB5
Steering Gear System	2 x Azimuth Stern Drive

TANK CAPACITIES

Fuel Oil	540.36 m ³
Fresh Water	146.32 m ³
Bilge	5.22 m ³
Ballast Water	121.59 m ³

CARGO DISCHARGE CAPACITIES

Fuel Oil Pump	38 m ³ /hr @ 40 m head
Fresh Water Pump	35 m ³ /hr @ 40 m head
Drill Water Pump	Nil
Bilge Pump	5 m ³ /hr



DECK EQUIPMENT

Anchors & Chain	2 x 6 Shackles, Chain Size U2 Stud Link
Tugger Winch	W-Rig Energy, 200 m, 22 mm (Dia) SWR @ 7 Layers, 10 T x 15 m/min (1st Layer), Brake Holding 15 T (Static, 1st Layer)
Capstan	2 x 5 T Hydraulic operated vertical capstan, 0-15 m/min
Anchor Windlass c/w Bow	1 x W-Rig Energy, Electro-Hydraulic, Overload Pull 5.2 T, Duty Pull 3.4 T x 0-10 m/min
Crane 1	SWL 5 T @ 12 m Radius (max SWL)
Crane 2	SWL 5 T @ 3 m Radius

ANCHOR HANDLING & TOWING EQUIPMENT

Anchor Handling/ Towing Winch	90 T x 6 m/min (1st Layer), 13 T x 28 m/min (1st Layer), 45 m/min (1st Layer)
AH Drum Capacity	Wire 200 m, Capacity 1000 + 20 m, 54 mm Dia + 20 m x 98 mm Dia, SWR 9 Layers
Tow Drum Capacity	Wire 1000 m, Capacity 1000 + 20 m, 54 mm (Dia) + 20 m x 98 mm (Dia), SWR 9 Layers
Spare Reel Drum Cap	1000 m (L) x 54 mm (Dia) SWR, 8 Layers
Line Pull @ First Layer	8 T x 25 m/min
Brake Holding	15 T, 1st Layer (Static)
Towing Pin	SWL 200 T, STTP-200-ATC
Shark Jaw	SWL 200 T, STTP-200-ATC
Stern Roller	SWL 80 T
Fairlead	SWL 160 T
Bow Winch	W-Rig Energy, Capacity 300 m + 20 m, 54 mm (Dia) + 20 m x 98 mm (Dia), SWR 9 Layers
Fwd Tow Winch	W-Rig Energy Electro-Hydraulic, 300 m x 52 mm SWR (10 Layers), Pull 30 T x 10 m/min (1st Layer Low Speed), Pull 5 T x 30 m/min (1st Layer High Speed), Brake Holding 220 T
Aft Tow Winch	W-Rig Energy Electro-Hydraulic, Pull 9 T x 6 m/min (1st Layer Low Speed), Pull 13 T x 28 m/min (1st Layer High Speed), Brake Holding 200 T

ACCOMMODATION

Berths	1 x 2, 1 x 1, 10 x 20 Berths
Total Pax	22

EXTERNAL FIRE-FIGHTING EQUIPMENT

Fi-Fi Notation	FFS SEP 250 x 350 Remote Controller Fitted 1200/300 SB
Fi-Fi Monitors	2 x 600 m ³ /hr, 120 m Throw Length
Fi-Fi Pump	2 x 1200 m ³ /hr

LIFE-SAVING EQUIPMENT

Life Rafts	2 x 10, 2 x 25 Men, SOLAS Compliant
Rescue Boat c/w Davit	1 x 10 Men, 241 HP of Inboard Eng, 140 L, SOLAS Compliant

