

5490BHP / AHTS

PRINCIPAL PARTICULARS

Year Built	2003
Place Built	Keppel Singmarine, Singapore
Design	Conan Wu
Flag	Thailand
Length Overall	60.00 m
Length BP	56.39 m
Breadth Moulded	16.00 m
Depth Moulded	5.50 m
Draft (max)	4.85 m
Freeboard (SLL)	0.65 m
Class	DNV GL
Notation	1A Fire Fighter(I) Tug
GRT/ NRT	1595.00 T / 478.00 T
Deadweight	1746.22 T
Bollard Pull	69.87 T (maximum), 65.04 T (average)

DECK PARTICULARS

Clear Deck Area	360.00 m ²
Deck Carrying Load	500.00 T
Deck Strength	5.00 T/m ²

PERFORMANCE

Maximum Speed	14 Knots @ 12 T/24 hrs
Economic Speed	12 Knots @ 8 T/24 hrs

PROPULSION SYSTEM

Main Engines	2 x Deutz BV9M628, 2714 BHP, 2025 Kw @ 1000 RPM, Total 5429 BHP
Auxiliary Engines	2 x Caterpillar 3408 DITA, 350 kW @ 1800 RPM
Emergency Generator	Perkins 1006TG2A, 90 kW @ 1800 RPM
Bow Thruster	Schottel CPP ST330, 7.50 T Thrust
Stern Thruster	1 X Kawasaki KT-328 3, 4.70 T Thrust
Propellers	2 x Schottel CPP SCP0714 XG
Steering Gear System	2 x Tenford Steering Gear SR622
Rudder	2 x High Lift Rudders HLR-S1750

TANK CAPACITIES

Fuel Oil	630.00 m ³
Fresh Water	280.20 m ³
Drill Water	762.60 m ³
Liquid Mud	209.90 m ³
Bilge	11.20 m ³
Ballast Water	762.60 m ³
Dry Bulk	150.00 m ³ , 4 x 36.80 m ³ per Tank



CARGO DISCHARGE CAPACITIES

Fuel Oil Pump	100 m ³ /hr @ 60 m head
Fresh Water Pump	100 m ³ /hr @ 60 m head
Drill Water Pump	100 m ³ /hr @ 60 m head
Liquid Mud Pump	2 x 60 m ³ /hr @ 60 m head
Bilge Pump	2 x 65 m ³ /hr @ 60 m head
Dry Bulk Compressor	2 x 25.6 m ³ /hr @ 5.6 bar

DECK EQUIPMENT

Anchors & Chain	2 x 1590 kg HHP, 14 Shackles (P), 18 Shackles (S), 34mm dia U2 Steel Stud Link Chains
Tugger Winch	2 x 10 T Pull Electro-Hydraulic @ 10 m/min
Capstan	2 x 5 T Pull @ 20/min
Anchor Windlass c/w Bow	5.6 T Pull @ 12 m/min
Crane	SWL 3.7 T @ 3.7 m Radius (max SWL), SWL 1.08 T @ 7.0 m Radius (max Radius)

ANCHOR HANDLING & TOWING EQUIPMENT

Anchor Handling/ Towing Winch	Zicom HWTW-150/52/2 Double Drum Waterfall Type
AH/Towing Drum Capacity	1000 m L x 52 mm Dia SWR
Spare Reel Drum Capacity	1000 m L x 52 mm Dia SWR
Line Pull @ First Layer	150 T @ 6.2 m/min (1st Layer)
Brake Holding	200 T Towing Drum, 200 T AH Drum
Towing Pin	SWL 200 T
Shark Jaw	SWL 300 T
Stern Roller	SWL 180 T, 3.5 m L x 1.5 m Dia

ACCOMMODATION

Berths	3 x 1, 6 x 2, 3 x 4 Berths
Total Pax	27

EXTERNAL FIRE-FIGHTING EQUIPMENT

Fi-Fi Notation	FIFI Class I - Remote Control
Fi-Fi Monitors	2 x Skum Foam/Water Capacity, 1200 m ³
Fi-Fi Pump	2 x 100 m ³ /hr at 150 m Height @ 14 Bar

LIFE-SAVING EQUIPMENT

Life Rafts	4 x 20 Men, SOLAS Compliant
Rescue Boat c/w Davit	1 x 6 Men, 25 HP of Outboard Eng, 30 L, SOLAS Compliant

