

## Maritime Mesra / POSH Mulia



### 4,000 BHP / 50 TBP / ANCHOR HANDLING UTILITY TUG

#### PRINCIPAL PARTICULARS

Year Built	2009/2010
Flag	Singapore
Call Sign	9V7484 (Mesra) / 9V7485 (Mulia)
Builders	Pacific Ocean Engineering and Trading
Official No	394337 (Mesra) / 394338 (Mulia)
Classification	ABS+A1 Circle E+AMS

#### DIMENSIONS

Length Overall	41.8 m
Length BP	37.4 m
Breadth Moulded	10.0 m
Depth Moulded	4.6 m
Design Draft	3.2 m
Working Deck Area	100m <sup>2</sup>
GRT	573
NRT	172

#### PERFORMANCE DATA

Max Speed	12 knots
Bollard Pull	Approx 50 tons

#### TANK CAPACITIES

Fuel Oil	270m <sup>3</sup>
Fresh Water	77m <sup>3</sup>

#### MACHINERY & EQUIPMENT

Main Engines & Gearboxes	2 x Mitsubishi S8U-MPTK medium speed four stroke marine diesels, each MCR of min 1492kW (2029 PS) continuous at 1100 rpm on site
Steering Gears	Electro-hydraulic, remote controlled from wheelhouse
Propellers	2 x 4 bladed CPP in fixed kort nozzles (1000.5)
Bow Thruster	1 electric motor driven, min 3.6 tonnes
Generators	3 x Volvo Penta engines ampere abt 294 kW, Stamford alternator @ 1500 rpm
Anchors	2 x 675 kg HHP anchors
Chain Cables	412.5 m long 24 mm dia, Grade U3 steel, stud link chain

#### MACHINERY & EQUIPMENT (cont'd)

Anchor windlass	1 electro hydraulic anchor windlass/winch of 3 tons pull at 10 m/min suitable for 24 mm dia chain
Towing Winch	1 unit electro hydraulic towing winch 150 tons brake holding, 100 tons pull at 6 m/min at 1st layer on main deck. 750 m x 50 mm on towing drum, 500 m x 50 mm on anchor handling drum wire IWRC. 1 pipe cage built at winch
Stern Roller	4m length x 1.8 m dia
Capstan	1 unit variable speed hydraulic capstan with under slung motor, pull 3 tons at 15m/min on aft main deck, port
Tugger Winch	1 unit electro-hydraulic tugger winch 5 tons pull towards forward end of main deck, on starboard side, powered by anchor handling/tow winch power pack with local controls
Tow Pins & Sharkjaws	200T SWL
Deck Crane	1 unit electro-hydraulic knuckle boom crane 2 tons SWL, about 6 m outreach fitted on port
Rescue Workboat	1 x 6 men semi-rigid dinghy c/w 25 hp-outboard motor
Fresh Water Maker	3 tons per day

#### EXTERNAL FIRE FIGHTING & OIL SPILL EQUIPMENT

Oily Water Separator	0.5 m <sup>3</sup> /hr pump and 15 ppm alarm installed in bilge system
External Fire Fighting System	2 fire pumps driven from independent diesel engine @ 1500 m <sup>3</sup> /hr each, Foam/H <sub>2</sub> O fire monitor with remote control
Oil Dispersant System	2 dispersant spray boom 5m length with 5 nozzles @ 125 litre/min 5 kg/cm <sup>2</sup> from each nozzle

#### ACCOMMODATION

2 x 4-man cabin
4 x 2-man cabin
2 x 1-man cabin
Complement - 18 men