



SAIL FORTH, GROW BEYOND

# COASTAL OFFSHORE (LABUAN) PTE. LTD. (LL02556)

A WHOLLY OWNED SUBSIDIARY OF COASTAL CONTRACTS BHD

ASIASTAR 48279 – 48M 4750BHP Anchor Handling Vessel



## REGISTRATION

|                        |   |
|------------------------|---|
| Flag                   | : Tuvalu  |
| Port of registry       | : Funafuti  |
| Builder                | : China   |
| Year of build          | : 2009  |
| Classification Society | : Bureau Veritas (BV)                               |
| Class Notation         | : BV I + Hull + Mach "Tug", Unrestricted Navigation |

## PRINCIPAL PARTICULARS

|                 |                   |
|-----------------|-------------------|
| Length overall  | : 48.00M          |
| Length BP       | : 42.90M          |
| Breadth moulded | : 12.80M          |
| Depth moulded   | : 4.60M           |
| Draft moulded   | : 3.80M           |
| Deadweight      | : 700             |
| Gross tonnage   | : 735             |
| Net tonnage     | : 220             |
| Hull material   | : Steel           |
| Bollard pull    | : 58.5 t (approx) |
| Speed           | : 12.0 knots      |

## MACHINERY/PROPULSION

|                            |   |
|----------------------------|---|
| Main engine                | : 2 x 2375bhp @ 1600RPM<br>Caterpillar 3516B      |
| Reduction gear             | : 2 x Reintjes LAF862, 5.8:1                      |
| Propeller                  | : 2 x controllable pitch type with kort nozzle    |
| Bow thruster               | : 1 x 300kW transverse type of approx. 5 t thrust |
| Main generator             | : 3 x 245kW Caterpillar 3406, 415V/3pH/50Hz       |
| Emergency diesel generator | : 1 x 35kW Perkins                                |

## CARGO CAPACITY

|                            |   |                    |
|----------------------------|---|--------------------|
| Deck cargo (aft)           | : | 50 t               |
| Clear deck area (aft)      | : | 250 M <sup>2</sup> |
| Deck loading               | : | 5 t/M <sup>2</sup> |
| Fuel oil                   | : | 700M <sup>3</sup>  |
| Fresh water                | : | 250M <sup>3</sup>  |
| Drill water/ water ballast | : | 80M <sup>3</sup>   |

## DISCHARGE RATES

|             |   |                                 |
|-------------|---|---------------------------------|
| Fuel oil    | : | 75M <sup>3</sup> /hr @ 70M head |
| Fresh water | : | 75M <sup>3</sup> /hr @ 70M head |
| Drill water | : | 50M <sup>3</sup> /hr @ 35M head |

## SUPPLY & DRAINAGE PLANT

|                                   |   |   |
|-----------------------------------|---|---|
| Freshwater hydrophore plant       | : | 1 x 2M <sup>3</sup> /hr @ 35M head                          |
| Seawater hydrophore plant         | : | 1 x 2M <sup>3</sup> /hr @ 35M head                          |
| Sewage holding & treatment system | : | for 30 persons  |
| Oily bilge water separator        | : | 1 x 1.0M <sup>3</sup> /hr with oil content less than 15 ppm |

## FIRE FIGHTING SYSTEM

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| <u>External: FiFi-½</u>               |                                     |
| Fire monitor                          | 2 x 600M <sup>3</sup> /hr @ 11 bar  |
| Fire pumps                            | 1 x 1200M <sup>3</sup> /hr @ 11 bar |
| Foam capacity                         | 20M <sup>3</sup>                    |
| Dispersant capacity                   | 10M <sup>3</sup>                    |
|                                       | 1 x independent sea chest           |
| <u>Internal</u>                       |                                     |
| Emergency fire pump                   |                                     |
| CO <sub>2</sub> system                | in engine room                      |
| Fire/smoke detection and alarm system |                                     |

## ACCOMMODATION

|                 |   |                                    |
|-----------------|---|------------------------------------|
| 2 x 1 man cabin | : | 2 men                              |
| 2 x 2 men cabin | : | 4 men                              |
| 5 x 4 men cabin | : | 20 men                             |
| Total           | : | 26 men                             |
| 1 x hospital    | : | 1 man                              |
|                 |   |                                    |
| Chiller/freezer | : | approx. 5M <sup>3</sup>            |
| Provision store | : | 30 days or approx. 5M <sup>3</sup> |

## NAVIGATION EQUIPMENT

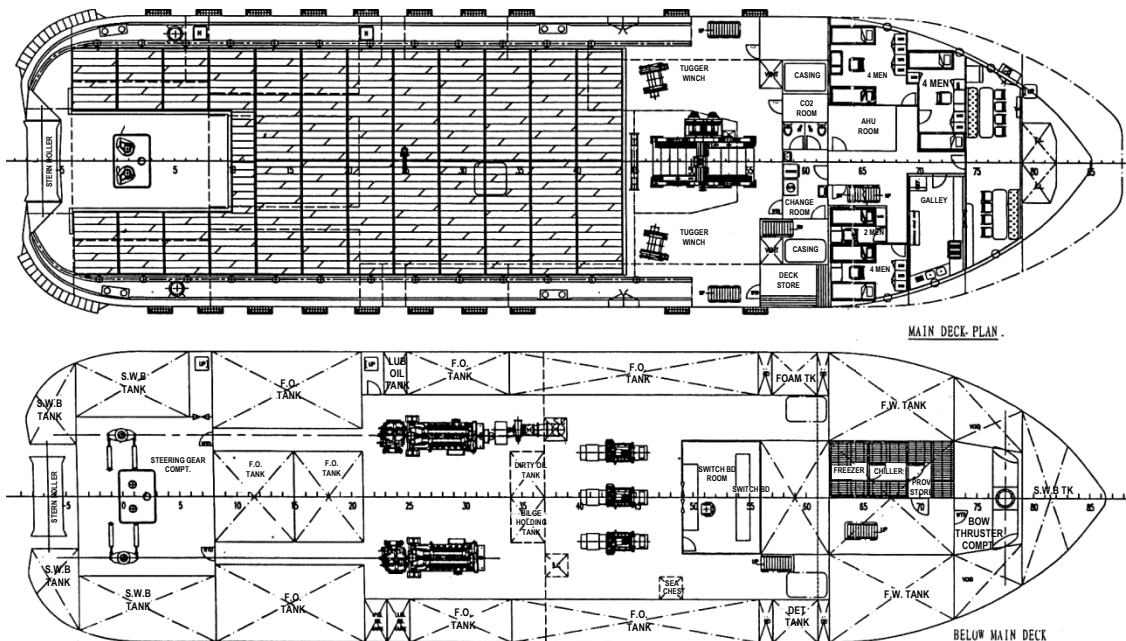
|   |   |        |
|---|---|--------|
| Radar range 48NM                            | : | 1 set  |
| Radar range 36NM                            | : | 1 set  |
| Eco sounder                                 | : | 1 set  |
| DGPS navigator                              | : | 1 set  |
| Autopilot / gyro compass                    | : | 1 set  |
| Magnetic compass                            | : | 1 set  |
| Automatic identification system             | : | 1 set  |
| Doppler speed log                           | : | 1 set  |
| Anemometer                                  | : | 1 set  |
| VHF radio                                   | : | 2 sets |
| Two-way radio telephone system              | : | 1 set  |
| Synthesized semi-duplex SSB radio telephone | : | 1 set  |
| MF/HF-DSC terminal for 24VDC                | : | 1 set  |
| VHF transceiver (GMDSS)                     | : | 2 sets |
| Inmarsat "C" (GMDSS)                        | : | 2 sets |
| Handheld VHF radio (GMDSS)                  | : | 3 sets |
| SART (GMDSS)                                | : | 1 set  |
| Communication console                       | : | 1 set  |
| EPIRB (GMDSS)                               | : | 1 set  |
| Weather fax receiver (GMDSS)                | : | 1 set  |
| Navtex receiver (GMDSS)                     | : | 1 set  |

## DECK/AHL EQUIPMENT

|                                |   |   |
|--------------------------------|---|---|
| Windlass                       | : | 1 x electro hydraulic type of 5 t @ 12M/min for 28mm dia. U2 chain  |
| Capstan                        | : | 2 x electro hydraulic type of 5 t @ 15M/min   |
| Anchor                         | : | 2 x stockless bower type, stowed in anchor-pockets, 1020kg each   |
|                                |   |   |
| Towing & anchor handling winch | : | 1 x electro-hydraulic waterfall double drum type<br>Drum pull : 100 MT (1 <sup>st</sup> layer)<br>Brake holding : 200 MT<br>Drum capacity : (Upper) 52mm dia x 1000M SWR, steel rope; (Lower) 52mm dia x 1000M SWR, steel rope<br>Steel rope: Nil |
| Towing pin                     | : | 1 x hydraulic retractable type of S.W.L. 200 t  |
| Shark jaws                     | : | 1 x hydraulic retractable type of S.W.L. 200 t  |
| Tugger winch                   | : | 2 x electro-hydraulic type of 5 t @ 15M/min   |
| Gob-eye                        | : | 85 t S.W.L.   |
| Stern roller                   | : | 3.5M long by 1.45M dia, S.W.L. 150 t  |

## LIFE SAVING EQUIPMENT

|                             |   |                       |
|-----------------------------|---|-----------------------|
| Life raft                   | : | 2 sets for 20 persons |
| Life buoy-ring              | : | 8 sets                |
| Lif jackets                 | : | 24 sets               |
| First aid kit               | : | 1 set                 |
| Rescue boat c/w davit crane | : | 1 set for 6 persons   |



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