



# BRITAIL 82

## 8,000 BHP | 110 t BP | AHT

Class Notation: A1, Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel, AH, , AMS, ACCU

| Main Particulars         |            |
|--------------------------|------------|
| Particular               | Detail     |
| Flag                     | Singapore  |
| IMO                      | 9581253    |
| Call Sign                | 9V7981     |
| Built                    | 2010       |
| Length Overall           | 51.0 m     |
| Length B.P.              | 44.4 m     |
| Depth (Moulded)          | 6.5 m      |
| Breadth (Moulded)        | 15.0 m     |
| Design Draft             | 5.0 m      |
| Gross Tonnage            | 1,347 t    |
| Net Tonnage              | 404 t      |
| Deadweight               | 1,225.54 t |
| Displacement (Load Line) | 2,654.10 t |

| Machinery & Propulsion |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| Component              | Specification                                                                          |
| Main Engines           | 2 x MaK 9M25                                                                           |
| Gearboxes              | Reintjes (2); ratio 4.429:1                                                            |
| Steering Gear          | 2 x electro-hydraulic steering gear units (total 12 t); remote control from wheelhouse |
| Propellers             | 2 x 4-bladed ZF CPP in fixed Kort nozzles                                              |
| Rudders                | 2                                                                                      |
| Main Generators        | 3 x CAT C18, 425 kW each, 440/3/60                                                     |
| Bow Thruster           | Jiang-1; CPP propeller - 6 t                                                           |
| Fresh-Water Maker      | 5 t d <sup>-1</sup>                                                                    |

| Deck & Anchor Handling Equipment |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| Equipment                        | Rating / Size                                                                                |
| Winch                            | 1 x electro-hydraulic towing winch (main deck)                                               |
| - Rated Pull                     | 150 t @ 8 m/min (1st layer)                                                                  |
| - Brake Holding Load             | 200 t                                                                                        |
| - Drum Capacity                  | 1,200 m x ø64 mm towing drum; 1,000 m x ø64 mm A/H drum                                      |
| Tugger Winches                   | 2 x 10 t @ 15 m/min electro-hydraulic tugger                                                 |
| Stern Roller                     | 4 m length x ø1.5 m; 200 t SWL                                                               |
| Capstans                         | 2 x 5 t @ 15 m/min hydraulic                                                                 |
| Shark Jaws & Tow Pins            | 300 t SWL (MacGregor)                                                                        |
| Deck Crane                       | 1 unit electro-hydraulic telescopic marine crane; 2 t @ 12 m (forecastle deck, stbd side)    |
| Anchor                           | 2 x 1,440 kg HHP anchors                                                                     |
| Anchor Chain                     | 275 m x ø38 mm, U3 grade                                                                     |
| Anchor Windlass                  | 1 x electro-hydraulic anchor windlass/winch; 8 t pull @ 10 m/min (suitable for ø24 mm chain) |

| Accommodation       |                   |
|---------------------|-------------------|
| Item                | Detail / Capacity |
| Single Cabins       | 2                 |
| 2-man Cabins        | 3                 |
| 4-man Cabins        | 3                 |
| Total Accommodation | 20                |

| Performance |       |                           |
|-------------|-------|---------------------------|
| Mode        | Speed | MGO Consumption           |
| Maximum     | 13 kn | 0.7500 MT h <sup>-1</sup> |
| Cruising    | 10 kn | 0.6125 MT h <sup>-1</sup> |

| Consumption        |                       |                                    |
|--------------------|-----------------------|------------------------------------|
| Tank / Consumption | Capacity              | Discharge Rate                     |
| Fuel Oil           | 688 t (90%)           | 100 m <sup>3</sup> h <sup>-1</sup> |
| Ballast            | 147.10 m <sup>3</sup> | 70 m <sup>3</sup> h <sup>-1</sup>  |
| Fresh Water        | 170 m <sup>3</sup>    | —                                  |

| Cargo Deck      |                    |
|-----------------|--------------------|
| Parameter       | Value              |
| Clear Deck Area | 200 m <sup>2</sup> |

| Navigation Equipment |                                                      |
|----------------------|------------------------------------------------------|
| Instrument           | Detail                                               |
| Radars               | 2 x radar (Simrad AR 80/81); Furuno MU 201 CR (ARPA) |
| GPS                  | 2 x Furuno GP 150 / GP 32                            |
| Echo Sounder         | Furuno FE 700                                        |
| Doppler Speed Log    | Furuno DS-80                                         |
| Autopilot            | Simrad AP 50                                         |
| AIS                  | Furuno FA 150                                        |
| Gyro Compass         | Dual gyro compass (Simrad GC 80)                     |
| Gyro Repeaters       | 4 x gyro compass repeater                            |
| Magnetic Compass     | Saura Keiki MR-150                                   |
| Rudder Indicator     | Korea RA 05 (fwd/aft)                                |
| Steering Control     | Kobelt                                               |
| Azimuth Circle       | GFC 190-152                                          |
| Anemometer           | R M Yong - 06206                                     |

| Communications Equipment |                                  |
|--------------------------|----------------------------------|
| Instrument               | Detail                           |
| VHF Radios               | 4 x VHF; Sailor 6222 (VHF-DSC)   |
| MF / HF Radio            | Furuno FS 2570 (SSB)             |
| GMDSS                    | GMDSS (equipment listed in spec) |
| Inmarsat C               | Furuno Felcom 15                 |
| NAVTEX                   | Furuno NX-700 B                  |
| Mini-M                   | Thrane & Thrane                  |

| Fire-Fighting & Rescue |                                                                             |
|------------------------|-----------------------------------------------------------------------------|
| Equipment              | Capacity / Rating                                                           |
| FIFI Class             | Class 1                                                                     |
| Fire Monitors          | Foam/water fire monitor with remote control                                 |
| Fire Pumps             | 2 x fire pumps PTO from main engines @ 1,500 m <sup>3</sup> h <sup>-1</sup> |
| Rescue Boat            | 1 x 6-person semi-rigid dinghy c/w 25 HP outboard motor                     |

| Other Equipment        |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| Equipment              | Capacity / Rating                                                                                         |
| Oily Water Separator   | 1 m <sup>3</sup> h <sup>-1</sup> pump and 15 ppm alarm (installed in bilge system)                        |
| Oil Dispersant System  | 2 dispersant spray booms, 5 m length, with 5 nozzles @ 125 L/min, 5 kg/cm <sup>2</sup> (from each nozzle) |
| Sewage Treatment Plant | Taiko Kikai SBT-25                                                                                        |

Details given in good faith but not guaranteed. Owners reserve the right to amend specifications without notification.

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