

## PW Tenaga



### 3,600 BHP ASD Tug / HARBOUR TUG

#### CLASSIFICATION AND REGISTRATION

|                 |                              |
|-----------------|------------------------------|
| Year Built      | 2012                         |
| Flag            | Singapore                    |
| Call Sign       | 9V9906                       |
| Official Number | 397725                       |
| IMO Number      | 9668831                      |
| Location Built  | China                        |
| Classification  | Bureau Veritas               |
| Class Notation  | BV Class I,  Hull,  Mach tug |

#### DIMENSIONS

|                    |         |
|--------------------|---------|
| Length O.A         | 29.00 m |
| Breadth Moulded    | 10.50 m |
| Depth Moulded      | 4.96 m  |
| Draft (Operations) | 3.90 m  |

#### TONNAGE

|               |                |
|---------------|----------------|
| Gross Tonnage | 351 T (Approx) |
| Net Tonnage   | 105 T (Approx) |
| Displacement  | abt 638.448 T  |
| Lightship     | abt 430.40 T   |

#### PERFORMANCE DATA

|              |                    |
|--------------|--------------------|
| Bollard Pull | 46 Tonnes (Approx) |
| Speed        | 12 knots (Approx)  |

#### TANK CAPACITIES

|                 |                        |
|-----------------|------------------------|
| Fuel Oil        | abt 163 m <sup>3</sup> |
| Fresh Water     | abt 33 m <sup>3</sup>  |
| Foam Tank       | abt 7.0 m <sup>3</sup> |
| Dispersant Tank | abt 7.0 m <sup>3</sup> |

#### MAIN MACHINERIES

|              |  |
|--------------|--|
| Main Engines | 2 x NIIGATA 6L25HX                     |
| Total BHP    | 2 x 1323 KW @ 750 RPM                  |
| Propulsion   | 2 x Niigata ZP-21                      |
|              | Azimuth fixed pitch Z-drive propellers |
| Generators   | 2 x Volvo Penta @ 108kw                |
| Alternators  | Stamford 415V 3 phase 50hz             |

#### DECK EQUIPMENT

|                  |  |
|------------------|--|
| Fwd Towing winch | 5T @ 20m/min @ first layer               |
| Brake Holding    | 100T @ first layer                       |
| Drum Capacity    | 1 x 12" Circ x 200 m working towing rope |
| Towing Hook      | 50T with remote pneumatic release        |
| Deck Crane       | 1 x SWL 1 ton. Outreach: 5m              |

#### EXTERNAL FIRE FIGHTING & OIL SPILL EQUIPMENT

|                      |   |
|----------------------|---|
| Fire Pump            | 1 x 1400 m <sup>3</sup> /hr @130 m head                       |
| Fire Monitors        | 2 x 600m <sup>3</sup> /hr with remote control                 |
| Oily Water Separator | 0.5 m <sup>3</sup> /hr  |
| Dispersant System    | 1 x dispersant pump c/w 2 off centre flat spray veejet nozzle |

#### NAVIGATION & COMMUNICATION EQUIPMENT (A1 + A2 +A3)

|                     |                          |
|---------------------|--------------------------|
| Radar               | 1 x JRC JMA-5212         |
| GPS Navigator       | 1 x Koden KGP-920        |
| Inmarsat C          | 1 x Furuno Felcom 15     |
| MF/HF               | 1 x Furuno FS 1575/NBDP  |
| AIS                 | 1 x Furuno FA-150        |
| Speed Log           | 1 x Furuno DS-80         |
| Echo Sounder        | 1 x Furuno FE 700        |
| VHF Radio Telephone | 2 x Furuno FM-8800S      |
| Navtex Receiver     | 1 x Furuno NX-700B       |
| Gyro Compass        | 1 x Koden KGC-1          |
| Magnetic Compass    | 1 x Saura Keiki MR 150 A |
| EPIRB               | 1 x McMurdo E5           |
| BNWAS               | 1 x BR-500               |

#### ACCOMMODATION

|              |   |
|--------------|---|
| Complement   | 10 men (air conditioned)                  |
| Cabins Total | 2 no. 4-men cabins and 2 no. 1-man Cabins |