

**50M OCEAN GOING TUG CUM ANCHOR HANDLING VESSEL  
AHT "INDEPENDENCE"**



**SPECIFICATIONS**

**DIMENSIONS**

|                      |                               |
|----------------------|-------------------------------|
| Length Overall:      | 49.95M                        |
| Length B.P.:         | 43.60M                        |
| Breadth Moulded:     | 12.6M                         |
| Depth Moulded:       | 12.6M                         |
| Summer Draft:        | 4.80M                         |
| Deadweight at 4.50M: | 952 metric tonnes             |
| Tonnage:             | 952GRT / 284 NRT              |
| Free Deck Space:     | 10M x 22M = 220M <sup>2</sup> |

**MACHINERY**

|                  |   |
|------------------|---|
| Main Engines:    | YANMAR 6EY26, 2 x 2600BHP @ 750RPM  |
| Horse Power:     | 5200BHP   |
| Generators:      | 3 x Diesel Main Generator<br>300kW 415V 3Ph 50Hz<br>1 x Emergency Generator<br>84kW 415V 3Ph 50Hz |
| Propellers:      | CPP in Nozzles  |
| Bow Thruster:    | 420BHP @ 5T Thrust  |
| Cargo Fuel Pump: | 70CBM/Hr @ 50M head   |
| Deck Crane:      | 1 x El-Hydraulic Knuckle Crane<br>2T @ 9M   |

**REGISTRATION**

|                   |  |
|-------------------|--|
| Year Built:       | 2005   |
| Country of Build: | China  |
| Port of Registry: | Ulaan Baatar                                       |
| Flag:             | Mongolia   |
| Class:            | BV   |
| Owner:            | Ocean Solution Maritime Management<br>Sdn Bhd      |
| Manager:          | Y & Y Maritime Management &<br>Consultancy Sdn Bhd |

**WINDLASS & MOORING**

|                         |  |
|-------------------------|--|
| Towing/Anchor Handling: | Electro-Hydraulic Waterfall Double<br>Drum   |
| Towing Wire:            | 2 x 1000M x 52mm DIA FSWR wire   |
| Winch:                  | Brake Holding Capacity @ 180T  |
| Bollard Pull:           | 71T  |
| Tugger Winch:           | 2 x Electro-Hydraulic Winches x<br>10T each  |
| Anchor Windlass:        | Electro-Hydraulic, cable lifter @ 6T<br>Tow drum – break holding @ 100T<br>– line pull @ 10T |
| Anchor Handling Wire:   | 1000M x 52M DIA FSWR work wire   |
| Capstan:                | 2 x Electro-Hydraulic Winches x 5T ea.   |
| External Fire Fighting: | FiFi ½ , 2 x Monitor @ 600CBM/hr ea.   |

**CAPACITIES**

Fuel Oil: 500CBM  
Fresh Water: 242CBM  
Foam: 16CBM  
Oil Dispersant: 19CBM  
Oil Spill Recovery Tank: 126CBM  
(incl. in fuel capacity)

**ACCOMODATION**

30 men

**PERFORMANCE**

Speed: 14 knots  
Shark Jaw & Towing Pin: SWL 200T, Hydraulic Retractable Type  
Stern Roller: SWL 120T 3.5M x 1.5M

**PRINCIPAL PARTICULARS**

|                                     |                              |
|-------------------------------------|------------------------------|
| LENGTH O.A.                         | 49.90m                       |
| LENGTH W.L.                         | 48.60m                       |
| LENGTH B.P.                         | 43.80m                       |
| BEAM MLD.                           | 12.60m                       |
| DEPTH MLD.                          | 5.75m                        |
| DRAFT DESIGNED                      | 4.50m                        |
| COMPLEMENT                          | 30 MEN                       |
| F.O (include oil recovery)          | 500 m <sup>3</sup> (approx.) |
| POTABLE WATER                       | 242 m <sup>3</sup> (approx.) |
| S.W.B.                              | 65 m <sup>3</sup> (approx.)  |
| OIL RECOVERY (flashpoint below 60°) | 126 m <sup>3</sup> (approx.) |
| FOAM TANK                           | 16 m <sup>3</sup> (approx.)  |
| DISPERSANT TANK                     | 19 m <sup>3</sup> (approx.)  |

