

**AHTS SHARK 30****PRINCIPAL PARTICULARS**

|                                 |                         |
|---------------------------------|-------------------------|
| Length Overall                  | 58.00 m                 |
| Length Waterline                | 56.50 m                 |
| Breadth Moulded                 | 13.80 m                 |
| Depth Moulded                   | 5.50 m                  |
| Draft moulded(design/max)       | 4.30 m/4.75 m           |
| Cargo Deck Area                 | 350 m2                  |
| Maximum Cargo Capacity          | 300 tonnes              |
| Class                           | ABS                     |
| Notation/Classification         | A1/class 1 / AH (E) AMS |
| Date & Place of Built           | Feb 2009/China          |
| <b><u>PERFORMANCE</u></b> Speed | 12 Knots(Max)           |

**MACHINERY**

|                   |   |
|-------------------|---|
| Main Engines      | 2 x1600 rpm 2575 BHP.Total 5150 BHP.CATERPILLAR     |
| Main Generators   | 3 sets,diesel 320kW 450V, 3 Phase,60 Hz CATERPILLAR |
| Harbour Generator | 1 set 72kW.   |
| Propulsion        | 2 x Marine Diesel engines-twin propeller shaft      |
| Bow Thruster      | 12T controlable pitch. NAKASHIMA                    |
| Steering Gear     | 2xMGR1727VC.7.12: TWIN DISC                         |

**MISCELLANEOUS(AZCUE/ITUR/MYER/MISSION MAGNUM)**

|                        |  |
|------------------------|--|
| Sewage Treatment Plant | 1 SBT-25. 25 persons TAIKO KIKAI JAPAN |
| Fuel Transfer Pump     | 2 x 10m3/hr head 20m.                  |
| Bilge & Ballast Pump   | 60 m3/hr 60m head                      |
| GS & Fire Pump         | 1                                      |
| Cargo F.O. Pump        | 1 of 100m3/hr 60m head                 |
| Emergency Fire Pump    | 1 x electric pum 35m3 at 60 m head     |
| Fresh Water Pump       | 2. 100m3/hr each 60m head              |
| Dirty Oil/Sludge Pump  | 1 5m3/hr 45m head                      |
| Liquid Mud Pump        | 2 units.60m3/hr at 75m head            |
| Fire pump              | 2 x 1500m3/hr at 14 bar                |

**DECK EQUIPMENT**

|                  |  |
|------------------|--|
| Anchor           | 2 x 1590 kg each   |
| Winch            | 1 electro hydraulic brake holding 200 tonnes.  |
| Drums & capacity | Ø52mm wire rope X 1000M (length) (Towing)<br>Ø52mm wire rope X 1000M (length) (A/Handling) |

|                 |  |
|-----------------|--|
| Anchor windlass | 1 electro hydraulic 10 tonnes at 10m/min for chain cable. 5 tonnes at 15m/min at light load. 30m/min mooring lines |
| Deck Crane      | 1 x. 5t@6.0m outreach.PALFINGER  |

**ACCOMODATION**

|  |                     |
|--|---------------------|
|  | 20 men              |
|  | 2 x 1 berth = 2 men |
|  | 3 x 2 berth = 6 men |

**CARGO CAPACITY/TANK CAPACITY**

|                         |                                       |
|-------------------------|---------------------------------------|
| Fuel Oil                | 480 m3                                |
| Fresh Water/drill water | 485 m3                                |
| Water Ballast           | 150 m3                                |
| Liquid mud              | 200 m3                                |
| L.O. storage            | 6 m3                                  |
| Dry Bulk                | 4 tanks 113 m3                        |
| Sewage tank             | 13.6 m3                               |
| Fuel oil tank           | 2 units.each one is sufficient for 12 |
| Lubricating oil tank    | 1 unit 6m3                            |

**RADIO,NAV.& COMM.EQUIP.**

|                            |   |
|----------------------------|---|
| GMDSS                      | (Full GMDSS for Area A3)  |
| Navigation Lighting System | Yes   |
| Clear View Screen          | Yes   |
| MF/HF Transceiver(GMDSS)   | 1 set SSB. A3   |
| Radar                      | 2 Sets  |
| Inmarsat                   | 2 x 'C' Marine Mobile Earth Station & 1 set with SSAS update  |
| Echo Sounder               | 1   |
| Magnet Compass             | 1 set 6" reflector type   |
| Speed log                  | 1 set   |
| Gyro Compass               | 1 set with 5 repeaters  |
| <b>VHF Radio</b>           | 2 units with remote handsets 25W, both multi channel 25 watt RF output &1 W RF switch fitted with DSC ca 156.525MHz(Channel 70) |
| NAVTEX Receiver            | 1 unit  |

|                  |                            |
|------------------|----------------------------|
| EPIRB            | 1 unit                     |
| Auto Pilot       | 1 set                      |
| Public Addresser | 1 connected with VHF radio |
| GPS              | 1                          |
| DGPS             | 1                          |
| Speed log        | 1 set                      |
| Search Lights    | 2 x 1kw                    |

|                         |        |
|-------------------------|--------|
| Aft Control Stand       | Yes    |
| Cargo Light             | Yes    |
| Motor Siren or Air Horn | Yes    |
| Walkie Talkie           | 3 sets |
| AIS                     | 1set   |

**INTERNAL COMMUNICATION**

|                 |              |
|-----------------|--------------|
| Intercom System | 15 Positions |
|-----------------|--------------|

**F.F & LIFE SAVING EQUIPMENTS**

|                             |                     |
|-----------------------------|---------------------|
| <b>Internal</b>             |                     |
| firemain                    | 1 + 12 hydrants     |
| Firemab outfits             | 6                   |
| Portable fire extinguishers | 27 of various types |

|              |   |
|--------------|---|
| Fire blanket | 2 |
| Fire Axes    | 2 |

**External**

|                             |   |
|-----------------------------|---|
| Fire monitor                | 2 units. 1200 m3/hr each.(remot control)  |
| Foam System                 | 1 x (5 % mixing ratio)  |
| Fixed water spraying system | all decks covers.all outside vertical areas of hull,superstructures,deck houses & equipments.monitors maintained during |
| CO2 System                  | A full CO2 system   |
| Emergency Fire Pump         | 1 unit 35 m3 at 60 m head.  |
| Fire & general Alarm        | 1 set.  |