

Vessel Specifications



| Registration/Classification | |
|-------------------------------|-------------------------------|
| Owner | TOM Aaryan Sdn. Bhd. |
| Operator | Two Offshore Marine Sdn. Bhd. |
| Flag/Port of Registry | Malaysia/Port Kelang |
| Year Built | 2010 |
| Builder | Taizhou Sanfu Shipyard, China |
| Classification | Bureau Veritas |
| Notation | + AI Accommodation Barge |
| Call Sign/Official No. | 9MVT7/335767 |

| Physical Parameter | |
|--------------------|----------|
| Length | 108.56 m |
| Breadth | 28.50 m |
| Depth | 7.30 m |
| Draft | 4.45 m |
| GRT | 10,523 T |
| NRT | 3,157 T |
| DWT | 8,034 T |

| Cargo Capacity | | |
|-----------------------------|--------------------------------------|--------------------------------------|
| Deck Space | 1,850 m ² | |
| Deck Strength | 15 T/m ² | |
| Bulk Cargo Capacity | | |
| Cargo | Storage | Discharge |
| Fuel Oil | 1,000m ³ | 80 m ³ /hr@ 60 m head |
| Fresh Water | 2,186m ³ | 120 m ³ /hr@ 60 m head |
| Ballast Water | 8,727m ³ | 2 x 350 m ³ /hr@60 m head |
| Bilge | 2 x 150 m ³ /hr@40 m head | |
| Domestic FW & SW | 4 x 30 m ³ /hr@70 m head | |

| Mooring System | | |
|----------------------------|--------------------|--|
| Mooring Points | 8 points | |
| Winch Drum | 8 nos. single drum | Electro-Hydraulic |
| Winch Drive | Motor Driven | |
| Line Pull | 90T | 12m/min@1 st Layer |
| Brake Capacity | 150T | Static@1 st Layer |
| Anchor | 9 nos. | 10T (Delta Flipper) |
| Anchor Wire | 8 Coils, 52mm SWR | 1500 m (L) |
| Pennant Wire | 9 nos., 52mm SWR | 130 m (L) Each |
| Anchor Marker Buoys | 9 nos. Foam Filled | 2.4 m (L) x 1.6 m (W) |
| Tugger Winch | 2 nos. | 10 T (Engine Driven) 5 T (Motor Driven) |

| Helideck | |
|----------------------------|---------|
| Sikorsky S92 or Equivalent | |
| Length | 25.62 m |
| Breadth | 25.62 m |

| Facilities (Accommodation, Working & Others) | | |
|--|-------------|---------------------|
| Accommodation | 425 Persons | |
| 1-man Cabin | 12 x 1 | 12 Persons |
| 2-man Cabin | 16 x 2 | 32 Persons |
| 3-man Cabin | 11 x 3 | 33 Persons |
| 4-man Cabin | 97 x 4 | 348 Persons |
| Client Office | 5 nos. | |
| Barge Master Office | 1 no. | |
| Conference Room | 1 no. | 30 Persons Capacity |
| Radio Room | 1 no. | |
| Control Room | 1 no. | |
| Hospital | 1 no. | 3 Beds |

TWO OFFSHORE MARINE SDN. BHD. (1206217-P)

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ACCOMMODATION 425 PAX / WORK / CONSTRUCTION / CONVERTIBLE PIPE LAY BARGE

| | | |
|-------------------------------|---|----------------------|
| Dining Room (Officers) | 1 no. | 36 Persons Capacity |
| Mess Room (Crew) | 1 no. | 200 Persons Capacity |
| Laundry Room | 1 no. | |
| Change Room | 1 no. | |
| Recreation Room | 2 nos. | Each 48 Persons Cap. |
| Gymnasium | 2 nos. | |
| Prayer Room | 1 no. | |
| Dry Provision Room | 2 nos. | |
| Meat/Fish Chiller/ | 50m3 | |
| Vegetable Freezer | 50m3 | |
| Air Conditioning Unit | Centralized. Comply to ILO 92, IMO Resolution | |

Generators

| | | |
|-------------------------|---|-------------------------------------|
| Main Genset | Engine – 3 nos., QSK60D(M) Alternator – Stamford | Each 1000 KVA 440 V, 3 Ph, 60 Hz |
| Emergency Genset | Engine – 1 no., Cummins NTA 855-DM Alternator - Stamford | 250 KVA 440 V, 3 Ph, 60 Hz |

Machineries & Equipment

| | | |
|-------------------------------|---------------------------------------|------------------------------------|
| Air Compressor | 1 no. (Motor Driven) | 294 m3/hr (1 Cyl/1 Stage) @ 13 bar |
| FW Maker | 2 nos. x 50 m3/day | Reverse Osmosis (Hansun) |
| Sewage Treatment Plant | 2 nos. x 200 men, WCB 200 | Jiangsu Nanjing Machinery, China |
| Oil Water Separator | 1 no., (3 m3/hr, c/w 15 ppm alarm) | Shanghai Shijiu Shipboard, China |
| IOPP | Comply | |
| Workshop | 1 no. | |

Deck Crane
Pedestal Mounted Techcrane L500-160

| | |
|--------------------|--------------|
| Capacity | 150 T |
| Boom Length | 160 Ft (49m) |

Communication & Navigation System

| | | |
|---------------------------------|------------------------------|-----------------------------------|
| GMDSS Set | Area Comprising A 1, A2 & A3 | |
| SSB Radio | 1 no. | Furuno FS-2571C |
| Navtex Receiver | 1 no. | Furuno NX-700 |
| Inmarsat F | 1 no. | Furuno Felcom 15 |
| VHF Air Band Transceiver | 1 no. | Icom IC-A-110 |
| | 1 no. | Icom IC – A24 (HLO) |
| VHF Radio (Fixed) | 2 nos. | Furuno FM 8800S with built-in DSC |
| Portable VHF Radio | 3 nos. | ACR |
| Portable Marine VHF | 8 nos. | Motorola GP-328 |
| Radios | 16 nos. | Motorola GP-328 |
| Intercom & PA System | Entire Barge | |

| | | |
|--|----------------------|-------------------------------------|
| Satelite Phone, Fax & Email | One Mini M – One FBB | Sailor, Thrane & Thrane |
| GPS | 1 no. | Furuno GP150 |
| Radar | 1 no. | Furuno FR-7062 Type RDP-122, Furuno |
| Gyro Compass | 1 no. | STD 22 Raytheon Anschutz |
| Magnetic Compass | 1 no. | Portable |
| Echo Sounder | 1 no. | Furuno FE700 |
| VHF for Crane | 1 no. | Motorola P-328 |
| Radio Beacon Transmitter | 1 no. | Nautel ND500II |
| Weather Fax | 1 no. | Furuno Fax 207 |
| Anemometer & Clinometers | 1 no. & 4 nos. | |

Barges also fitted with PA Talkback System and Sound Powered Telephones & CCTV Systems

Safety (FFA & LSA)
FFA as per SOLAS:

| | | |
|---|---|-----------------------|
| Fire Pump | 1 no. (Electric Driven) | 300m3/hr@90m Head |
| Emergency Fire Pump | 1 no. (Engine Driven) | 300m3/hr@80m Head |
| Fixed Foam Fire Fighting | Foam Tank Capacity: 400 litres | For Helideck |
| Fire Monitors | 2 nos. | 140m3/hr@7 bar |
| Fire Hydrants | 41 nos. | As per FFA Plan |
| Intl. Shore Connection | 2 nos. | As per FFA Plan |
| CO2 System | Area Protected: Generator Room, Paint Store & Galley Duct | |
| Automatic Water Sprinkler System | Area Protected: Entire Accommodation Area, Paint Store, Galley and Workshop | 1 x 150m3/hr@80m head |
| General Alarm, Fire Detection System | Area Protected: Entire Barge | |

LSA (As per SOLAS):

| | | |
|---------------------------------|--|--|
| Rescue Boat | 1 no.. | 8 persons Cap. c/w Davit |
| Life Raft | 36 nos. (25 men capacity) | Total Cap. 900 persons (both sides) |
| Life Jackets | 650 nos. | 150 % of the maximum POB carrying capacity |
| Life Buoys with MOB | 4 nos. | Mounted as per Barge Safety Plan |
| Life Buoys with SI Light | 10 nos. | Mounted as per Barge Safety Plan |
| Life Buoys with Line | 2 nos. | Mounted as per Barge Safety Plan |
| Life Buoys | 8 nos. | Mounted as per Barge Safety Plan |
| EPIRB | 2 nos. | ACR RLB 32 |
| SART | 2 nos. | ACR Pathfinder 3 |
| Line Throwing App. | 2 Sets Comprising of 4 Cartridges Each | 1 no. Comet and 1 no. Pains Wessex |

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