

## Specifications of A 3200 Twin Screw Ocean going Tugboat

### Principal Particulars:

Year Built: 2009, Sibul, Malaysia

IMO No.: TBA

Official No.: TBA

Class: BV

Flag: Singapore

### Dimension:

L.O.A: 32.20M

LBP: 29.30M

Breadth MLD: 9.76m

Depth MLD: 4.30m

Draft (max): 3.50m

Speed: Max. 5.0 Knots (Loaded Passage)

### Bollard Pull:

Maximum Pull Load 40T

### Type of Fuel Oil:

Marine Gas Oil

### Consumption:

Fuel Oil: 8.0 Tons / 24 HRS

Fresh Water: 2.0 Tons / 24 HRS

### Machinery:

1) Main Engines: 2 x 1600 HP Cummins

Marine Diesel Engine MDL KTA 50-M2

@ 1800RPM, Gearbox 590 :1

2) Generator: 2 x Cummins Marine Diesel

Engine 80KW

3) Propeller: 2 units of Solid 4 Blades

Manganese Bronze Propeller completed

with mild steel Kort Nozzle

### Wheel House Equipment:

Steering & control console fitted with instrument panel main engine control (Morse type), switch for navigation lights, flood lights, horn buttons, intercom, P.A. System, Rudder indicator & clear view screen

1) 1 x Captain's chair

2) 4 x Spare power points

3) 2 X Clear View Screen

4) 2 x Clinometers

5) 1 x Marine Clock

6) 1 x Barometer

7) 2 x Shaft tachometer (1 in Engine room)

8) 1 x Binocular 7 x 50

9) 1 x Chart table c/w lamp 2 drawers & sliding door

10) 1 x 40 pcs International Code Flag

11) 1 x 10"/12" Wall Fan

### Deck & Aux Equipment:

15) Anchor: Two (2) 480 kgs, stockless bower anchors

16) Chain: 9 Shackles x 90 ft, 22mm dia. Stud link cable for both bower anchors

17) Anchor Windlass: 22mm Electric Hydraulic Steel Anchor Windlass c/w Double gypsy and drum

18) Towing Hook: 1 x 40 Tons Steel Towing Hook with Quick

release mechanism

19) Towing Winch: 1 x 50 Tons Double Drum pull Towing Winch

20) Capstan: 1 x 3 Tons

21) Steering Gear: 3.5 Tons Electro-Hydraulic system

**Accommodation:**

Complement.....

Master/ Ch. Engr/ Owner Cabin

Officer/ Other Rank Cabin

Crew/ Worker Cabin

Total ..... 15 berth

All living spaces are fully air-conditioned

**Radio & Navigation Equipment:**

1) 1 x Table type magnetic compass  
(T-150IIF or equal)

2) 1 x Spare table magnetic compass

3) 1 x GMDSS AREA A3

4) 1 x Radar 96 nautical miles Furuno FR-1505Mmk3 or equal

5) 1 x GPS Navigator Samyung Model SPR-1400 or equal

6) 1 x Echo Sounder Samyung Model SES-2000 or equal

7) 1 x EPIRB

8) 1 x Navtex Samyung Model SNX-300 or equal

9) 1 x SART Saracom Model RT-10 or equal

10) 1 x AIS Samyung Model SI-30 UAIS or equal

11) 1 x Speed Log

12) 1 x Radio Facsimile FX2220

13) 1 x Satellite Compass

14) 3 x Walkie – Talkie Icome Model GM1600

**Ship Communication:**

1) 1 x Electric Engine Telegraph at Wheelhouse

2) 1 x PA System with Horn, Speaker

3) 4 x Wall mounted type intercom

(located in Wheelhouse, Mess-room, Engine Room & Crew Accommodation)

**10,000 DWT BARGE (WITH SIDEWALLS)**

Principal Particulars:

Year Built: 2009, China

Official No.: TBA

Class: ABS

Flag: Singapore

Dimension:

Length Overall: 330 feet

Beam Molded: 90 feet

Depth Molded: 21 feet

Draft Molded (approx): 16 feet

**Scantling:**

Deck Plating: 14.0 mm

Bottom Plating: 14.0 mm

Side Plating: 12.0 mm

Bulkhead Plating: 9.0 mm

**Longitudinal:**

Deck: 150 x 90 x 12 IA

Bottom: 150 x 90 x 9 IA

Side Plating: 125 x 75 x 9 IA

Bulk Stiffener: 125 x 75 x 9 IA

**Transverse Webs:**

Deck: 600 x 10 + 100 FLG

Bottom: 500 x 9 + 100 FLG

Side: 600 x 10 + 100 FLG

Long Bulkhead: 550 x 9 + 100 FLG

**Sideboard:**

4 sides using 8mm steel plate of 12 ft height with 9mm x 125mm x 75mm angle bar support and 200mm x 200mm x 49.9 kg/m I- Beam Stanchions placed at 6bft apart.

**Deck Fitting:**

- 1) Eight (8) mooring bollards of 12" N.B.
- 2) Suitable number of small lugs of 15.8M thick
- 3) Four (4) 80 SWL SMIT towing brackets fitted fwd & aft (P&S)
- 4) One (1) diesel-driven anchor winch, 10 tonnes capacity
- 5) One (1) unit 1500kg stockless bower anchor
- 6) 100m x 28mm diameter anchor wire rope
- 7) One (1) unit of chain stopper
- 8) Suitable number of tyres c/w 20mm diameter
- 9) Battery operated navigation lights fitted (Stern light & Bow light [P&S])

**Stanchions:**

Vertical: 12" x 12" I beam

Diagonal: L200 x 200 x 16 in the fore end

L150 x 150 x 16 elsewhere

**Deck Load:**

15 Tonnes / M2

**Capacity:**

10000 Tonnes