



# SAPANGAR SHIPYARD SDN BHD

(Company No.565077-W)

SITE OFFICE: 2½ Miles, Jalan Kastam Baru, Lahad Datu, Sabah, Malaysia.  
HEAD OFFICE: Lot 1-5, 1<sup>st</sup> Floor, Bangunan Fordeco, Jalan Singamata, P.O.Box 60006, 91110 Lahad Datu, Sabah, Malaysia.  
KK OFFICE: K-63-3<sup>rd</sup> Floor, Signature Office, KK Time Square, Off Coastal Highway, 88100 Kota Kinabalu, Sabah, Malaysia.

TEL: 089-887688 FAX: 089887353  
TEL: 089-881188 FAX: 089-882399  
TEL: 088-486 555 FAX: 088-486 777

## 32M T.S.TUG



### PRINCIPAL PARTICULAR

Length Overall	: 32.400 M
Length BP	: 29.430 M
Beam Moulded	: 9.150 M
Depth Moulded	: 4.480 M
Draft Moulded	: 3.68 M
GRT/NRT	: 290/87
Trial Speed	: 12 knots (Free Running)
Year of Completion	: 2011
Class Notation	: NS*TUG

### MACHINERY

Main Engine	: 2 x Cummins KTA-50-M2
Reduction Gear	: Twin Disc MG5506 6.00 : 1 Ratio
Propeller	: 2 x Fixed Pitch propellers (FPP)
Generator	: 2 x 78kw, 3p/50hz/415v

### CARGO CAPACITY

Fuel Oil	: 275.00m <sup>3</sup>
Fresh Water	: 53.00m <sup>3</sup>

### DISCHARGE RATES

Bilge & Ballast Water	: 30m <sup>3</sup> /hr@30m head
G.S & Fire Pump	: 30m <sup>3</sup> /hr@30m head
Fuel Oil Transfer	: 8m <sup>3</sup> /hr@15m head

### SUPPLY & DRAINAGE PLANT

Oily Bilge Water Separator	: 0.5m <sup>3</sup> / H
Electric Water Heater	: Joven Water Heater
Sewage Treatment Plant	: 15 men



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## ACCOMODATION

1 X 3men Cabin	: 3 men
1 X 4men Cabin	: 4 men
1 X 8men Cabin	: 8 men
<b>Total</b>	<b>: 15 men</b>

## NAVIGATION EQUIPMENT

Eco Sounder	: 1 set
Speed Log	: 3 pcs
GPS	: 1 set
Magnetic Compass	: 1 unit
Radar	: 1 set
MF/HF Radio	: 1 set
telephone	: 1 set
VHF Radio telephone	: 1 set
SART	: 1 set
EPIRB	: 1 set
Navtex Receiver	: 1 set
VHF Radio Portable	: 2 set
GMDSS Radio	: 1 set
Inmarsat C	: 1 set

## DECK EQUIPMENT

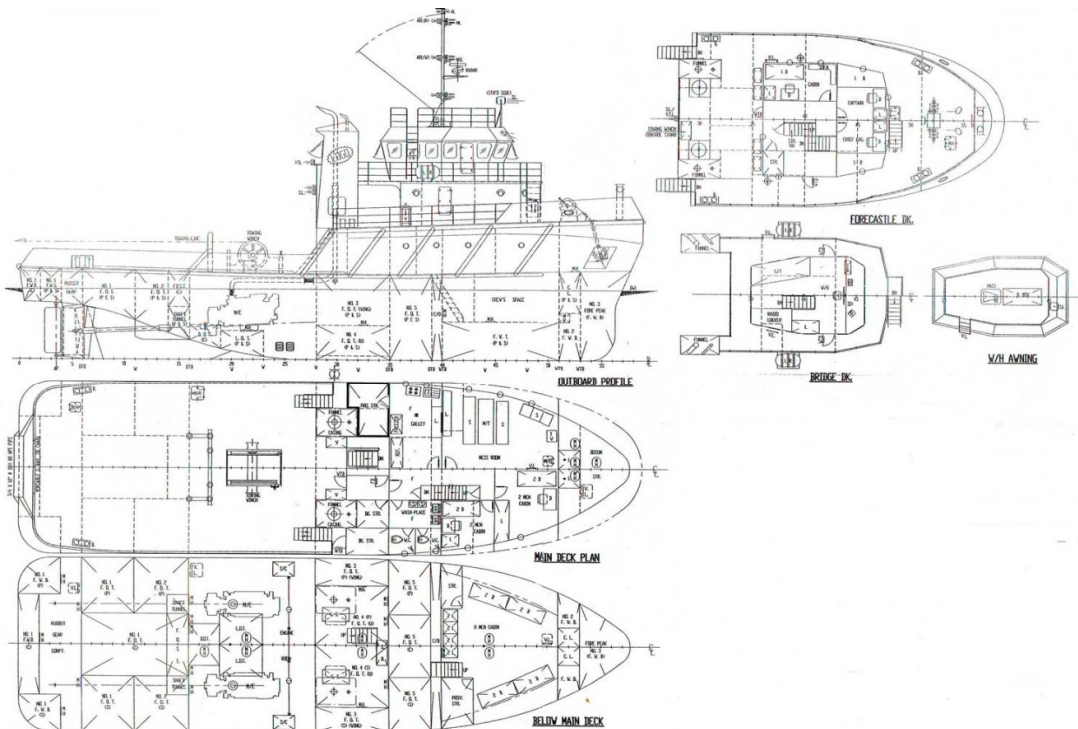
Anchor Windlass	: Hydraulic Anchor Windlass 22m U2 Chain c/w 2 warping drum's
Anchor	: 2 x 570kg Stockless Bower Anchor
Towing Winch	: Electro hydraulic ,single warping ends type of 40t SWL with Drum cap. - 750m x 38mm wire rope (wire rope excluded)

## FIRE FIGHTING SYSTEM

Fire Detection & General Alarm System	: 1 shipset
Fire Extinguisher	: 7 x 9 litre ABC Dry Powder : 3 x 9 litre FOAM : 2 x 45 litre Wheeled
Emergency Fire Pump (Portable )	: 1 unit

## LIFE SAVING EQUIPMENT

Life Raft	: 2 x 15 men
Life Buoy	: 8
Lifejackets	: 20
First Aid Kit	: 1 set



ALL DATA HEREIN HAVE BEEN COMPLIED WITH ALL THE POSSIBLE CARE, HOWEVER, NO GURANTEE IS GIVEN OF THE CORRECTNESS HEREOF