

RAMPARTS 3200W ASD TUG – RIGHTEOUS

TUG



CERT NO.: 99-2-1008
ISO 9001 : 2008



CERT NO.: 2003-0214
ISO 14001 : 2004



CERT NO.: OHS-2001-0013
BS OHSAS 18001 : 2007

PRINCIPAL PARTICULARS

Year built	: 2013
Builder	: Guangdong Yuexin Ocean Engineering Co. Ltd
Designer	: Robert Allan Ltd
Class	: Lloyd's Register of Shipping + 100A1 Tug, + LMC, UMS, *IWS Fire Fighting Ship 1 Unrestricted voyages
Flag	: Singapore
Call sign	: 9V2374
IMO no.	: 9679268
Official no.	: 398952

PERFORMANCE DATA

Max speed	: 12.80 knots
Bollard pull (ahead)	: 69.0 tonnes
(astern)	: 59.4 tonnes

TANK CAPACITIES

Fuel oil	: 210.0 m ³
Freshwater	: 32.0 m ³
Dispersant	: 8.0 m ³
Foam	: 8.0 m ³

DIMENSIONS

Length overall	: 32.00 m
Breadth moulded	: 12.00 m
Depth moulded	: 5.42 m
Navigational draft	: 5.60 m
Gross tonnage	: 496
Net tonnage	: 149

MACHINERY

Main engines	: 2 x 1654kW Niigata 6L28HX @ 750rpm
Generators	: 2 x 122kW Cummins 6CT8.3-D(M) @ 1500rpm
Propellers	: 2 x Niigata ZP-31A
Air compressors	: 2 x Deno 2L-25

ACCOMMODATION (FULLY AIR-CONDITIONED)

Officers	: 2 x 2 berths
Crew	: 2 x 3 berths
Total	: 10 berths
Sewage system	: Taiko Kikai SBH-15

FIRE-FIGHTING / ANTI-POLLUTION EQUIPMENT

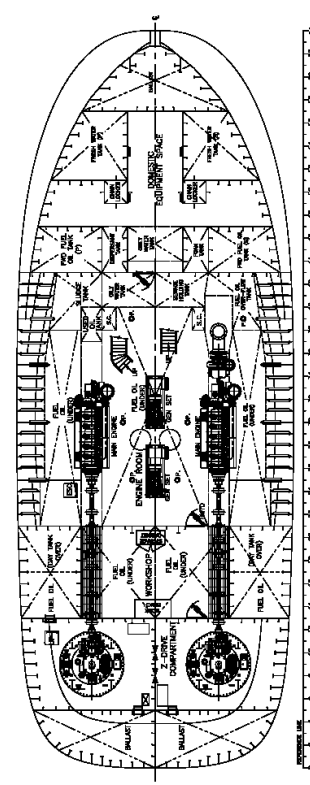
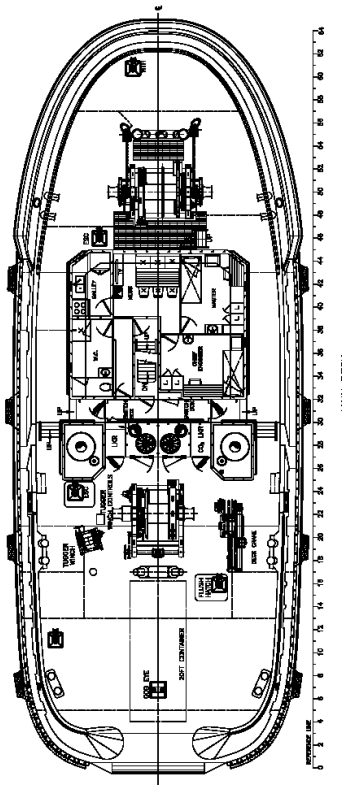
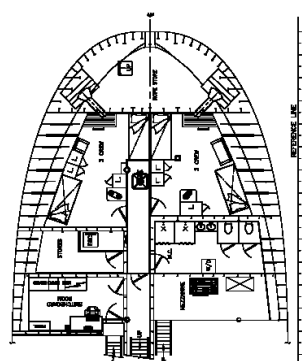
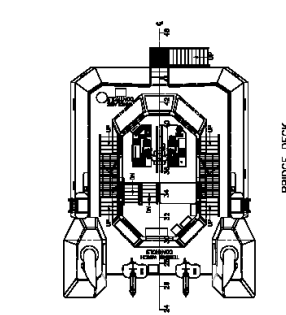
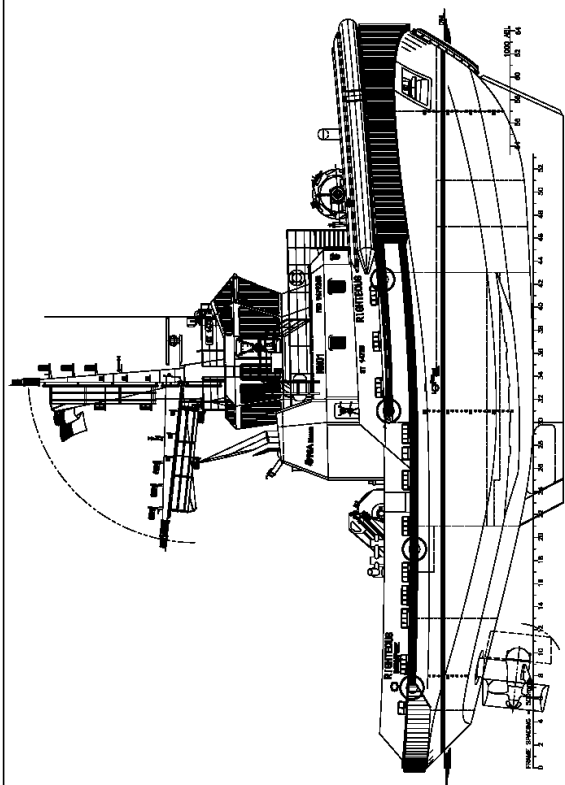
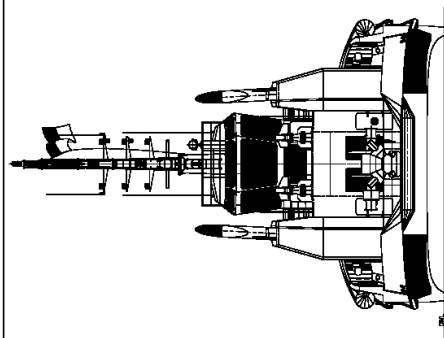
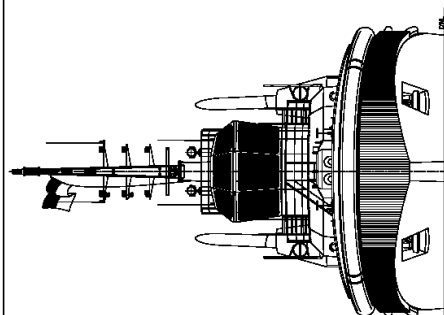
FiFi pump (PTO from stbd M/E)	: 1 x FFS SFP 300x400PC of cap 2842m ³ /hr @ 110m head c/w water curtain
FiFi monitor:	: 2 x FFS 1200/300 dual purpose foam/water of cap 1200m ³ /hr @ 10 bar
Oily water separator	: Boss 2.2T/107
Oil dispersant system	: Tetra, nozzle type without spray boom
Fuel oil purifier	: Alfa Laval P605

TOWING AND DECK EQUIPMENT

Tow winch / anchor windlass (fwd)	: MacGregor MG-HAT / GDG-22-515U02288-01688 hydraulic single split drum type
Drum capacity	: 220m x 88mm dia HMPE rope @ 7 layers 160m x 88mm dia HMPE rope @ 7 layers
Brake holding	: 150 tonnes
Line pull (slack)	: 2.0T @ 0~40m/min
Tow winch (aft)	: MacGregor MG-HTW1-02-0215D07552 single drum
Drum capacity	: 750m x 52mm Dia SWR @ 13 layer
Rated pull	: 20.0T @ 0~10m/min
Deck crane	: Hiab 121. Outreach-lifting capacity are: 5.2m / 2600kg and 7.4m / 1800kg

RADIO AND NAVIGATIONAL EQUIPMENT (GMDSS – A1+A2+A3)

Radar	: Furuno FAR-2117
SSB transceiver	: Furuno FS-1575
VHF transceiver	: Furuno FM-8900S w/ DSC
Echo sounder	: Furuno FE-700
Immarsat C	: Furuno Felcom-18
Navtex receiver	: Furuno NX-700B
EPIRB	: McMurdo E5
SART	: McMurdo S5
Anemometer	: P&E A45B
Talkback system	: Vingtor CTB-100V
Magnetic compass	: Saura Keiki SR-165
Gyro-compass	: Anschutz Std 22 c/w repeater
Auto pilot	: Anschutz Nautopilot NP 60
Speed log	: Furuno DS-80
AIS	: Furuno FA-150
GPS	: Furuno GP-32
BNWAS	: Furuno BR-500
Hand-held VHF	: 3 x ICOM IC-GM1600

SHIP NAME: RIGHTEOUS
IMO No. : 9679268

PARTICULARS	
LENGTH OVERALL	32.0 METRES
BESAM, MOULDED	12.0 METRES
DEPTH, MOULDED	5.30 METRES
DRAHT, SUMMER LOAD TO B.L.	4.36 METRES
CORRESPONDING EXTREME DRAFT (TO BOTTOM OF SKG)	5.85 METRES, APPROXIMATELY
CREW	UP TO 10 PERSONS
POWER	2 x 1638 KW

CLASS NOTATIONS
 LLOYDS OR EQUIVALENT
 ■ 100 A1, TUG, UMS, ■ LMC, FT-F1, UNRESTRICTED VOYAGES

PERFORMANCE

BOLLARD PULL, AHEAD	50 TONNES
BOLLARD PULL, ASTERN	55 TONNES
SPEED, MIN	12.0 KNOTS

[illegible]