

RAMPARTS 2500 CL ASD ESCORT TUG – PSA SHURI

TUGBOATS



PRINCIPAL PARTICULARS

Year Built	: 2022
Builder	: Cheoy Lee Shipyard Ltd
Designer	: Robert Allan Ltd
Class	: Lloyd's Register of Shipping ✱ 100A1 Tug, Escort Tug Protected Waters Service, Fire-Fighting Ship 1 (2400m ³ /h) with Water Spray ✱ LMC UMS, ✱ IWS,
Flag	: Singapore
Call Sign	: 9V8666
IMO No.	: 9951604

DIMENSIONS

Length Overall	: 25.40m
Breadth Moulded	: 11.79m
Depth Moulded	: 4.79m
Design Draft	: 3.40m (from baseline)
Navigational Draft	: 5.42m (max)
Gross Tonnage	: 348
Net Tonnage	: 104

MACHINERY (INSTALLED WITH CCTV SYSTEM)

Main Engines	: 2 x 1997kW Caterpillar 3516C @ 1600rpm
Generators	: 2 x 118 kW Caterpillar C7.1
Harbour Generators	: 1 x 50kW Perkins PDM63HE
Propellers	: 2 x Schottel SRP 460 FP
Air Compressors	: 1 x Deno 2L-15/150

ACCOMMODATION (FULLY AIR-CONDITIONED)

Officers	: 2 x1 berth
Crew	: 3 x 2 berths
Total	: 8 berths (MLC 2006 compliance)
Sewage System	: Taiko Kikai SBH

FIREFIGHTING/ANTI-POLLUTION EQUIPMENT

Fifi Pump (PTO from Port M/E)	: 1 x FFS SFP 300x400PC of cap 2850m ³ /hr @ 119m 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	: Taiko Kikai USH-05
Oil Dispersant System	: Tetra Fire, Off-Centre Spray Vee Jet nozzle type (P&S)

PERFORMANCE DATA

Speed @ 100%MCR	: 12.68 knots
Bollard Pull (Ahead)	: 70.40 tonnes
(Astern)	: 67.98 tonnes

TANK CAPACITIES

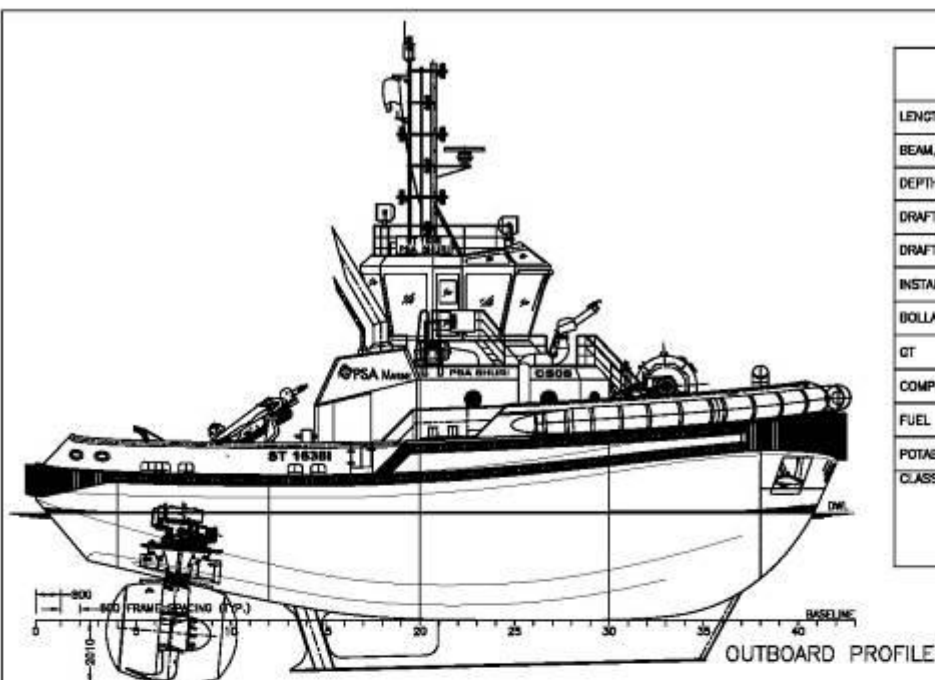
Fuel Oil	: 91.3m ³
Freshwater	: 12.3m ³
Dispersant	: 5.0m ³
Foam	: 5.0m ³

TOWING AND DECK EQUIPMENT

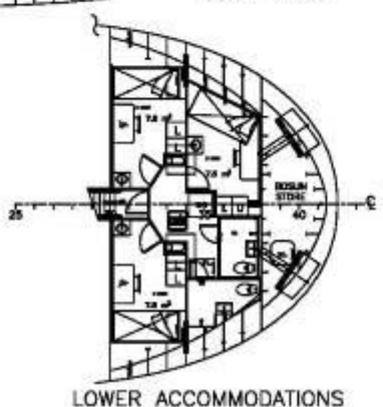
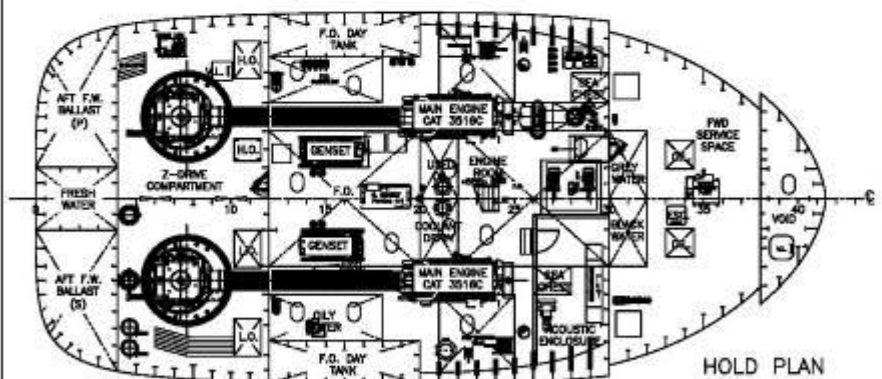
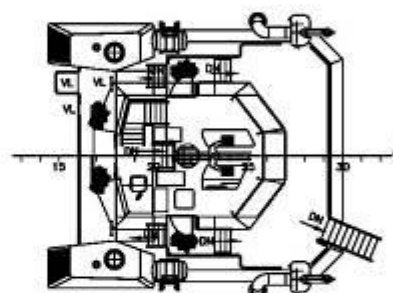
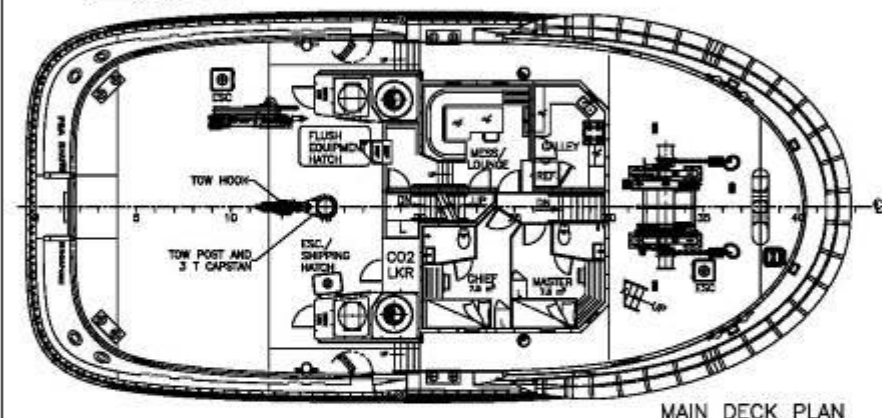
Tow Winch / Anchor Windlass (FWD)	: MacGregor Hydraulic Anchor Windlass / Escort Towing Winch, hydraulic single split drum, two chain wheels & one warping head type
Rope Capacity	: 220m + 220m x 60mm dia synthetics rope @ 9 layers
Recovery (L/M/H)	: 19.69 T@10 m/min 5.91 T@30 m/min
Brake Holding	: 197 tonnes
Anchor Windlass	: 20.5 mm Grade U2 chain pull – 1.8T @ 0–10 m/min
Brake Holding	: 11.13 tonnes
Deck Crane	: Palfinger PK12000M SWL – 1.44T @ 5.9m outreach
Stern Hook	: China made. Disc Type, 70 tonnes SWL

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

X-Band Radar	: Koden MDC-7912P
GMDSS MF/HF SSB Radiotelephone	: JSS-2150
VHF Radiotelephone	: Samyung SRT-6000A
Echo Sounder / Speed Log	: Furuno FCV-628
Inmarsat C	: Furuno Felcom-18
Navtex Receiver	: Furuno NX-700B
EPIRB	: McMurdo E8
SART	: McMurdo S5A
PA/Talkback System	: Furuno LH-5000
Magnetic Compass	: Saura T130VDA, 125mm binnacle
Satellite Compass	: Furuno SCX-21
Auto Pilot	: Raytheon Anschutz Pilot Star NX
AIS	: EmTrak A200
GPS	: Furuno GP-39
BNWAS	: Furuno BR 500
Hand-held VHF	: 2 x Entel HT649



GENERAL PARTICULARS	
LENGTH, OVERALL	25.40 m
BEAM, MOULDED	11.80 m
DEPTH, MOULDED	4.80 m
DRAFT, DESIGN (ABOVE BL)	3.40 m
DRAFT, MAXIMUM	~5.42 m
INSTALLED POWER	2 x 1979 KW
BOLLARD PULL, AHEAD	70 TONNES
GT	348
COMPLEMENT	8
FUEL	91 m³
POTABLE WATER	11 m³
CLASS NOTATION	LR #100A1 Escort Tug Protected Waters Service, Fire Fighting Ship 1 (2400 m³/hr) with Water spray, *TWS #LNC, UMS



LR/IMO: 9951604

This vessel/installation has been built in accordance with the
specifications and arrangements shown on this plan.

24 Feb 2023

Signature(s) _____ Date _____

Nick Young

Surveyor to Lloyd's Register Classification Society (China) Co., Ltd.

OWNER	PSA MARINE (PTE.) LTD.		SHIP NAME	PSA SHURI
BUILDER	CHEONG LEE SHIPYARDS LTD		YARD No.	0240
CLASS	LLOYD'S REGISTER		IMO No.	9951604
DELIVERY DATE	JANUARY 2023		PORT OF REGISTRY	SINGAPORE
SUBJECTS	 CHEONG LEE SHIPYARDS LTD 20-01 HING WAI STREET WEST, LAU CHU KOK, KUN, HK. TEL: (852) 3307 8333 E-MAIL: shipyard@clsl.com.hk			
	 HIN LEE (ZHUHAI) SHIPYARD CO., LTD. 1 ZHONG GUO LU, ZHONGDA, ZHUHAI, GUANGDONG, P.R.C. TEL: (86) 756 8333683 E-MAIL: shipyard@hinlee.com			
 ROBERT ALLAN LTD. NAVAL ARCHITECTS AND MARINE ENGINEERS 330-1638 WEST 2nd AVE. VANCOUVER, B.C.				
VESSEL	RAMPARTS 2500CL TERMINAL / ESCORT TUG			
CLIENT	PSA MARINE (PTE.) LTD.			
TITLE	GENERAL ARRANGEMENT			
DRAWN BY	XCS	CHECKED	APPROVED	SCALE
DATE	11 NOV, 22	SHEET	1 OF 1	A3-1:150
			DRAW. No.	YARD No.
			HI 5240	30000
			REV.	AS FITTED