



PRINCIPAL PARTICULARS

Year Built	: 2020
Builder	: PaxOcean Engineering Zhuhai Co., Ltd
Designer	: Robert Allan Ltd
Class	: Lloyd's Register of Shipping ✕ 100A1 Tug, Escort Tug, Fire Fighting Ship 1with Water Spray ✕ LMC UMS, *IWS for unrestricted voyages
Flag	: Singapore
Call Sign	: 9V6482
IMO No.	: 9869605
Official No.	: 401887

DIMENSIONS

Length Overall	: 32.00m
Breadth Moulded	: 12.00m
Depth Moulded	: 5.42m
Design Draft	: 4.19m (from baseline)
Navigational Draft	: 5.53m (max)
Gross Tonnage	: 496
Net Tonnage	: 148

MACHINERY (INSTALLED WITH CCTV SYSTEM)

Main Engines	: 2 x 2525kW Caterpillar 3516C @ 1800rpm
Generators	: 2 x 265kW Cummins QSM11D(M) @ 1500rpm
Propellers	: 2 x Schottel SRP 510 FP
Air Compressors	: 2 x Sperre HL2/77A

ACCOMMODATION (FULLY AIR-CONDITIONED)

Officers	: 2 x1 berth
Crew	: 4 x 2 berths
Total	: 10 berths (MLC 2006 compliance)
Sewage System	: Taiko Kikai SBH-15
Gas Detection System	: Detcon X40 with 6 gas detectors

FIREFIGHTING/ANTI-POLLUTION EQUIPMENT

FiFi Pump (PTO from STBD M/E)	: 1 x FFS SFP 300x400PC of cap 2800m³/hr @ 119m head c/w water curtain
FiFi Monitor	: 2 x FFS 1200/300 dual purpose foam/water of cap 1200m³/hr @ 10 bar
Oily Water Separator	: Taiko Kikai USH-05
Oil Dispersant System	: Tetra Fire, Off-Center Spray VeeJet nozzle type (P&S)

PERFORMANCE DATA

Speed @ 100%MCR	: 13.47 knots
Bollard Pull (Ahead)	: 83.43 tonnes
(Astern)	: 81.05 tonnes

TANK CAPACITIES

Fuel Oil	: 205.4m³
Freshwater	: 32.6m³
Dispersant	: 6.6m³
Foam	: 6.6m³

TOWING AND DECK EQUIPMENT

Tow Winch / Anchor Windlass (FWD)	: Kongsberg Maritime heavy duty rendering/recovery escort winch ETWH 2000/800/AW24G2, hydraulic single split drum, two chain wheels & one warping head type
Rope Capacity	: 220m + 150m x 88mm dia synthetics rope @ 8 layers
Recovery (L/M/H)	: 80T@8m/min 33T@18m/min 9T@53m/min
Rendering (L/M/H)	: 117T@-18m/min 50T@-35m/min 15T@-84m/min
Brake Holding	: 200 tonnes
Anchor Windlass	: 24mm Grade 2 chain pull - 2.5T @ 0~9m/min
Brake Holding	: 27.07 tonnes
Tow Winch (AFT)	: Kongsberg Maritime TW 2000/100H single drum & 1 warping end
Drum Capacity	: 720m x 52mm Dia SWR @ 11 layer
Rated Pull (L/H)	: 14.0T @ 30m/min / 6.0T @ 63m/min
Deck Crane	: Palfinger PK12000M SWL – 1.7T @ 6.1m outreach

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

X-Band Radar	: Furuno Model 1945
GMDSS MF/HF SSB Radiotelephone	: Furuno FS -2575
VHF Radiotelephone	: 2 x Furuno FM-8900S w/ DSC
Echo Sounder	: Furuno FE-800
Immarsat C	: Furuno Felcom-18
Navtex Receiver	: Furuno NX-700A
Chart Plotter	: Furuno GP-1870
EPIRB	: McMurdo E5
SART	: McMurdo S4
Anemometer	: Walker 2050 MK2
PA/Talkback System	: Vingtor SPA-V2 & ETB-10
Magnetic Compass	: Saurakeiki T-130
Satellite Compass	: Furuno SC-70
Auto Pilot	: Raytheon Anschutz PilotStar NX
AIS	: Furuno FA-170
GPS	: Furuno GP-170
BNWAS	: Furuno BR 500
Speed Log	: Furuno DS-80
Hand-held VHF	: 2 x McMurdo R5

