



PRINCIPAL PARTICULARS:

Built	2002, Singapore
Class	ABS + A1 (E) Supply Vessel Fire Fighting Class 1 + AMS
GRT / NRT	1535/460 (Approx)
IMO No.	9263473

DIMENSIONS:

Length Overall	56.00 M
Length Waterline	52.60 M
Breadth Moulded	14.95 M
Depth Moulded	5.8 M
Draft (designed)	4.8 M

PERFORMANCE:

Maximum Speed	13.0 kts at 13 MT/24 hrs (100% MCR)
Economical Speed 1	1.0 kts at 9 MT/24 hrs (85% MCR)
Type of Fuel	Marine Gas Oil

CARGO CAPACITIES

Deadweight	1200 MT
Deck Cargo	500 MT
Deck Strength	75 MT / sqm
Clear Deck Area	330 M ²
Fuel Oil	685 cbm
Lube Oil	10 cbm
Fresh Water	260 cbm
Drill Water / SWB	560 cbm
Freezer / Cooler	8 cbm / 8 cbm
Foam / Dispersant	10 cbm / 10 cbm

DISCHARGE RATE

Fuel Oil	100 cbm / hr @ 75 m / head
Fresh Water	100 cbm / hr @ 75 m / head
Drill Water	100 cbm / hr @ 75 m / head

ACCOMMODATION:

Master & C/E	2 x 1 berth c/w attached bathrooms
Others	2 x 1 berth c/w attached bathrooms 5 x 2 berth c/w attached bathrooms 4 x 4 berth c/w attached bathrooms
Total	30 berth (All cabins fully air-conditioned)
Hospital	1 x 2 berth

PROPULSION SYSTEM:

Main Engines	2 x 2000 Bhp@ 1000rpm Wartsila8L20LF
Propulsion	Twin Screw CPP in Kort Nozzles
Main Generators	3 x 315 Kw, 415V/ 3 Ph/ 50 Hz Leroy Somer LSAM47,1L9 driven by 3xCaterpillar 3408DITA
Emergency Generator	1 x 60 kw, 415V/ 3Ph/ 50 HZ Leroy Somer LSA 442 VS3 driven by 1 x Perkins 1004TG2
Bow Thruster	1 x 315Kw Kawasaki KT-43B1 (CPP) Tunnel Unit producing 5T thrust

DECK EQUIPMENT

Anchor	2 x 1305 kg AC14 anchors
Chains	2 x 412 m x dia 36mm U2 steel stud link chains
Anchor Windlass	1 x 9 T @ 12 m/min electro-hydraulic Zicom c/w warping drums & 2 gypsies suitable for 36mm chains
Tugger Winch	2 x 10mt @ 20 m/min (first layer) electro-hydraulic Zicom (locally controlled) Suitable for 200m (L) x 24mm (dia) SWR
Capstan	2 x 5T @ 0 to 20 m/min electro-hyd Zicom
Shark Jaw	1 x 300 mt SWL electro-hydraulic vertically retractable Karm Fork suitable for wires chains up to 102 mm Ø
Tow Pins	1 x 200 mt SWL electro-hydraulic vertically retractable Karm Fork
Deck Crane	1x5.9T @ 6m (2.2T @ 12m max reach) telescopic North American MCT 1040
Stern Roller	3.50m (L) x 1 50m (W) ; 150 SWL

FIRE-FIGHTING EQUIPMENT:

EXTERNAL

Fire Pump	2 x 1485 cbm/hr @ 13 bar Nijhuis HGTF1 Driven by M/E PTO
Fire Monitor	2 x 1200 cbm/hr @ 13 bar Skum Fire chief 120m throw length / 50 m throw height one monitor fitted w/ a 300 m ³ /hr foam barrel both monitors remote controlled
Emergency Fire Pump	1 x 25 cbm/hr @ 45 m/head FIFI Class 1 with water curtain all-around

INTERNAL

CO2 system in engine room	
Fire hydrants and fire extinguishers as per Class requirements	
1 x 260 ltr/min @ 200 bar Coltre MCh/16 BA recharging compressor	

LIFE SAVING EQUIPMENT

Search Lights	2 x 2000W halogen tungsten lights
Floodlights	4 x 1000W & 1 x 400W orange
Liferafts	4 x 25 men Solas approved
Rescue Boat	1 x rigid inflatable 6 men /40 HP Waverider c/w Launching davit

TOWING/ANCHOR HANDLING EQUIPMENT

Bollard Pull	53 mt (Approx)
Towing/AH Winch	1 x electro-hydraulic double drum waterfall Zicom (local & remote control from the w/house)
Line Pull	75 mt @ 0-8 m/min (first layer) 40 mt @ 0-14 m/min (first layer) 13 mt @ 0 35 m/min (first layer)
Stall Pull	100 mt
Brake Pull	150 mt
Upper Drum Cap	1000 m (L) x 50mm (dia) SWR
Lower Drum Cap	1000 m (L) x 50mm (dia) SWR

AUXILIARY EQUIPMENT

Oily Water Separator	1 x 1 cbm/hr (15 ppm) Taiko Kikai USC-10
Sewage Treatment	1 x 40 men/day Taiko Kikai SBT-40
Water Maker	1 x 4.9T / day Aqua-Sep
Oil Dispersant System	2 x 6m dispersant boom c/w 6 nozzles each

RADIO & NAVIGATION EQUIPMENT:

GMDSS Area 3	2 x Radar
1 x SSB	1 x Echosounder + 1 repeater
1 x DSC	1 x Gyrocompass + 1 repeater
1 x NBDP	1 x Doppler Log
1 x Inmarsat C	1 x Magnetic Compass
2 x VHF + 1 repeater	DGPS
3 x Portable VHF	1 x Autopilot
1 x Navtex Receiver	1 x Weather Fax
2 x SART	PA / Talkback system fitted
1 x EPIRB	