

**5150BHP MULTI-PURPOSE OFFSHORE SUPPLY VESSEL****PRINCIPAL PARTICULARS**

Length Overall	50.00m
Length Waterline	47.36m
Breadth Moulded	13.20m
Depth Moulded	5.20m
Draft (max)	4.50m
Built	2008, China
GRT/NRT	1030 / TBA (approx)
Class	Bureau Veritas
Notation	Class 1 + Hull + Mach "Supply Vessel & Fire Fighting Ship" Unrestricted Navigation
Flag (Port of Registry)	Singapore
Call Sign	TBA

**PERFORMANCE**

Maximum Speed	13 Knots
Economical Speed	10 Knots
Type of Fuel	Marine Gas Oil
Fuel Consumption	19 m3/24 hours @ max speed 12 m3/24 hours @ econ speed
Bollard Pull	65 mt static

**CARGO CAPACITIES**

Deadweight	750 Ton (approx)
Deck Cargo	TBA mt (approx)
Deck Strength	7 Ton/m2 uniform loading
Clear Deck Area	TBA m2 (approx)
Fuel Oil	595 m3 (approx)
Fresh Water	215 m3 (approx)
Ballast/Drill Water	TBA m3 (approx)
Liquid Mud	Nil
Cement Tank	Nil
Freezer / Chiller	10 m3 / 10 m3
Foam / Detergent	15 m3 / 15 m3
Rig Chain Locker	Nil

**PUMPS**

Fuel Oil	1 x 150 m3/hr @ 75 m head
Fresh Water	1 x 100 m3/hr @ 75 m head
SWB/Drill Water	Nil
Liquid Mud	Nil
Bilge/Ballast	2 x 50m3/hr @ 40 m head
GS/Fire Pump	1 x 50m3/hr @ 40 m head
Bulk Cement Compressor	Nil

**PROPULSION SYSTEM**

Main Engines	2 x 2575BHP (1920kw) @ 1600rpm, CAT 3516E
Main Generator	3 x 315kw, 415V/3Ph/50Hz, CAT 340E
Emergency Generator	1 x 52kw, Multico 1104A-44TG
Bow Thruster	1 x 5 Ton Thruster, abt 315kw, Kawasaki KT-43B1
Steering Gear	2 x 35 deg/3 ton, Kobelt
Propulsion	2 x CPP with kort nozzle, ZF KH-680
Rudders	2 x high performance streamline type

**DECK EQUIPMENT**

Anchor Windlass	1 x electro hydraulic, Marine Equipment
Drum	Nil
Gypsies	suitable for 36mm dia chain rated pull 5 mt @ 12 m/min
Warping drum	400 (m (dia) x 450 mm (L) rated pull 2 mt @ 10 m/min
Bow Anchors	2 x 1080 kg HHP anchor
Chains	440 m (L) x 40 mm (Dia), Grade U2
Capstan	2 x 5 mt @ 15 m/min electro hydraulic, Marine Equipment
Tugger Winch*	2 x 10 mt @ 10 m/min electro hydraulic, Marine Equipment
Drum Capacity	250 m x 22 mm Dia
Deck Crane	Nil

\* AHTW and Tugger Winch wires not included.

Towing /AH Winch*	1 x electro hydraulic double drum, Marine Equipment
Upper Drum (Tow)	1000 m (L) x 56 mm (Dia) SWR
Lower Drum Cap (AH)	1000 m (L) x 56 mm (Dia) SWR
Line Pull	150 Ton @ 0-6 m/min (low) 23 Ton @ 0-36 m/min (high)
Static Brake	200 Ton @ 1st Layer
Gypsies	Remoted and Local Control
Warping Drums	Nil
Stern Roller	5 m (L) x 1.6 m (Dia), SWL 200 T
Lock Jaws	1 x 200 T SWL, electro hydraulic, (brand/model TBA)
Tow Pin	2 x electro hydraulic operated (brand/model TBA)
Storage Reel	1 x 5 T @ 15 m/min, suitable for 1000 m (L) x 56 mm (Dia) SWR

**ACCOMMODATION**

Berths	4 x 1 berth cabin = 4 1 x 2 berth cabin = 2 8 x 4 berth cabin = 32 <u>38</u>
Total	<u>38</u>
Hospital	1 x 1 berth cabin = 1
All cabins fully air-conditioned & c/w attached washroom.	

**RADIO & NAVIGATION EQUIPMENT**

GMDSS	Area A3, consist of:
SSB	1 x JRC/Furuno
Inmarsat C	2 x JRC/Furuno
VHF Radio	2 x JRC/Furuno
Navtex Receiver	1 x JRC/Furuno
SART	2 x JRC/Furuno
EPIRB	1 x JRC/Furuno
Portable VHF Radios	3 x JRC/Furuno
Radar	2 x JRC/Furuno
Echo Sounder	1 x JRC/Furuno
DGPS	1 x JRC/Furuno
Gyrocompass	1 x JRC/Furuno/Anschutz/Tokimec
Autopilot	1 x JRC/Furuno/Anschutz/Tokimec
Magnetic Compass	1 x JRC/Furuno
Weather Fax	1 x JRC/Furuno
Speed Log	1 x JRC/Furuno
Wind Indicator	1 x JRC/Furuno
AIS	1 x JRC/Furuno
DP	Nil
Joystick	Kongsberg/MT
Vessel also fitted with PA Talkback System & Self-powered Telephone.	

**FIRE-FIGHTING EQUIPMENT & ANTI-POLLUTION EQUIPMENT**

<b><u>EXTERNAL</u></b>	
Fifi System	Class 1 with water curtain all round
Fire Pump	2 x 1200 m3/hr @ 11 bar driven by front PTO ME
Monitors	2 x fire monitors
water/foam	1 x 300 - 1200 m3/hr, FFS
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Oil Dispersant System	2 x Cluster nozzles

**INTERNAL**

Emergency Fire Pump	1 x 25 m3/hr x 45m head
BA Recharging Comp	1 x 75 ltr/min @ 200 bar
CO2 system in engine room	
Fire Detection & Alarm in living spaces and engine room.	

**MISCELLANEOUS**

Liferafts	6 x 20, SOLAS standard, China Make
Rescue boat	1 x 6 men, c/w outboard engine, China Make
Oily Water Separator	1 x 1.0 m3/hr c/w 15ppm alarm, China Make
Water Maker	1 x 5 T/day, China Make
Sewage Treatment Plant	1 x 40 men/day, China Make