

MV Coral

CORAL 12, 240 BHP 150T BP DP2 ANCHOR HANDLING TUG SUPPLY VESSEL

GENERAL

Port of Registry/Official No: Singapore / 392589
 IMO Number: 9427689
 Call Sign: 9VNV5
 Delivery: 19 November 2008
 Yard: Keihin Shipyard, Universal Shipbuilding, Japan
 Design: Universal Shipbuilding, Type: USC MX-A150.
 Classification: American Bureau of Shipping - A1,
 Circle E, AH / Offshore Support Vessel, Towing Vessel,
 Fire Fighting Vessel Class 1, DPS-2, APS, ACCU, AMS.
 Dimension: 68.0 LOA x 60.0 LBP x 16.4 B x 7.2 D m.
 Draft: Design - 5.2m, Maximum - 6.0m.
 DWT/Draft: Approx 1660T at 5.2m, 2460 MT at 6.0m.
 GT/NT: Approx 2428/799

MAIN MACHINERY & PROPULSION

Main Engine: 2 x Wartsila 9L32, 4500 kW each.
 Propulsion: 2 x Wartsila Lips CPP in HR Nozzles.
 Diesel Alternator: 2 x 300 kW each, 440V/3P/60Hz.
 Shaft Alternator: 2 x 1800 kW each, 440V/3P/60Hz.
 Bow Thrusters: 2 x 800 kW each, CPP, each 120 kN Thrust
 Stern Thruster: 1 x 800 kW, CPP, 120 kN Thrust
 Steering Gear: Tenfjord Rotary Vane
 Rudder: Rolls-Royce High Lift Flap.

TOWING/ANCHOR HANDLING EQUIPMENT

AHT Winch: Brattvaag LP Hydraulic Double Drum.
 Both Drum: 300T Line Pull, 450T Brake on 1st Layer.
 Drum Capacity: : Each 2500m of 76mm dia wire.
 Cable Lifter: 1 x 3" dia and 1 x 3/4" dia rig chain
 Spooling: Openable for AH Drum and Fixed for Tow Drum.
 Tugger Winch: 2 x Brattvaag LP Hydraulic, 12T Pull.
 Capstan: 2 x Brattvaag LP Hydraulic, 10T Pull.
 Rope Reel: 2 x Brattvaag LP Hydraulic, 1500m x 76mm.
 Chain Stoppers: 2 x Karm Fork, 300 MT SWL.
 Towing Pin: 4 x Karmoy.
 Rig Chain Lockers: 2 x 80 m3 each.
 Stern Roller: 4m Length x 2m Dia, 450 MT SWL.
 Crane: 1 x 5 MT at 12m radius, fixed boom

CARGO PUMP & SYSTEM

Fuel Oil: 2 x 150m³/hr at 90 m head.
 Potable Water: 1 x 200m³/hr 90 m head.
 Drill Water/Ballast: 1 x 200m³/hr 90 m head.
 Liquid Mud: 1 x 75m³/hr 150 m head.
 Brine: 1 x 75m³/hr 150 m head.
 Dry Bulk Compressor: 2 x 20 m³/min at 5.6 bar.
 Mechanical Agitator: 1 in each Liquid Mud & Brine tanks.
 Fixed Tank Washing for Liquid Mud & Brine tanks.
 PC-based Centralized Control and Monitoring System
 for Alarm, Monitoring, Remote Cargo Control &
 Tank Gauging.

ACCOMMODATION

6 x Single-berth, 8 x Double-berth and 2 x 4-berth Cabins.
 Total Complement: 30.
 One each Mess, Recreation Room, Galley, Office,
 Changing Room and Laundry.

CONTINUOUS / MAXIMUM BOLLARD PULL (Sister Vessel)

100% MCR: 153.9 / 157.7 tonnes
 80% MCR: 131.9 / 132.9 tonnes
 50% MCR: 89.4 / 91.4 tonnes

TRIAL SPEED @ 4.92 M DRAFT/ FUEL CONSUMPTION (Sister Vessel)

100% MCR: 14.74 knots/42.1 tonnes/day
 85% MCR: 14.43 knots/35.9 tonnes/day
 50% MCR: 13.32 knots/20.8 tonnes/day



CARGO CAPACITY

Fuel Oil: 968 m³ (10 tanks)
 Potable Water: 531 m³ (9 tanks)
 Drill/Ballast Water: 440 m³ (7 tanks)
 Brine/Base Oil/Drill/Ballast: 165 m³ (2 tanks).
 Liquid Mud/Drill/Ballast: 423 m³ (6 tanks).
 Dry Bulk: 250 m³ (4 tanks).
 Deck Cargo: 1000MT.
 Clear Deck Space: 31.2 x 13.4 m (418 m²)
 Deck Loading: 5 and 10 T/m².

NAVIGATION & COMMUNICATION

Converteam ADP DP-2 System, Interface to 2 DGPS,
 2 Anemometers, 2 Gyrocompasses, 1 Laser system and
 2 Motion Reference Sensors.
 X-band and S-band Radar, Autopilot, Echo Sounder,
 Speed Log, Weather Facsimile, GMDSS for Area A3
 with 2 INMARSAT-C, 1 INMARSAT Fleet77, Navtex, AIS, SSAS,
 Public Address, Intercom, Talkback and Automatic Exchange
 Telephone.

EXTERNAL FIRE FIGHTING & ANTI-POLLUTION

Pump: 2 x 1500m³/hr at 140m head each.
 Monitor: 2 x 1200m³/hr with Remote Control.
 Foam Tank: 25 m³.
 Oil Dispersant Tank: 12.5 m³.
 Sprinkler System: FiFi 1 Requirements.
 Oil Dispersant Boom: 2 x Retractable.

MISCELLANEOUS

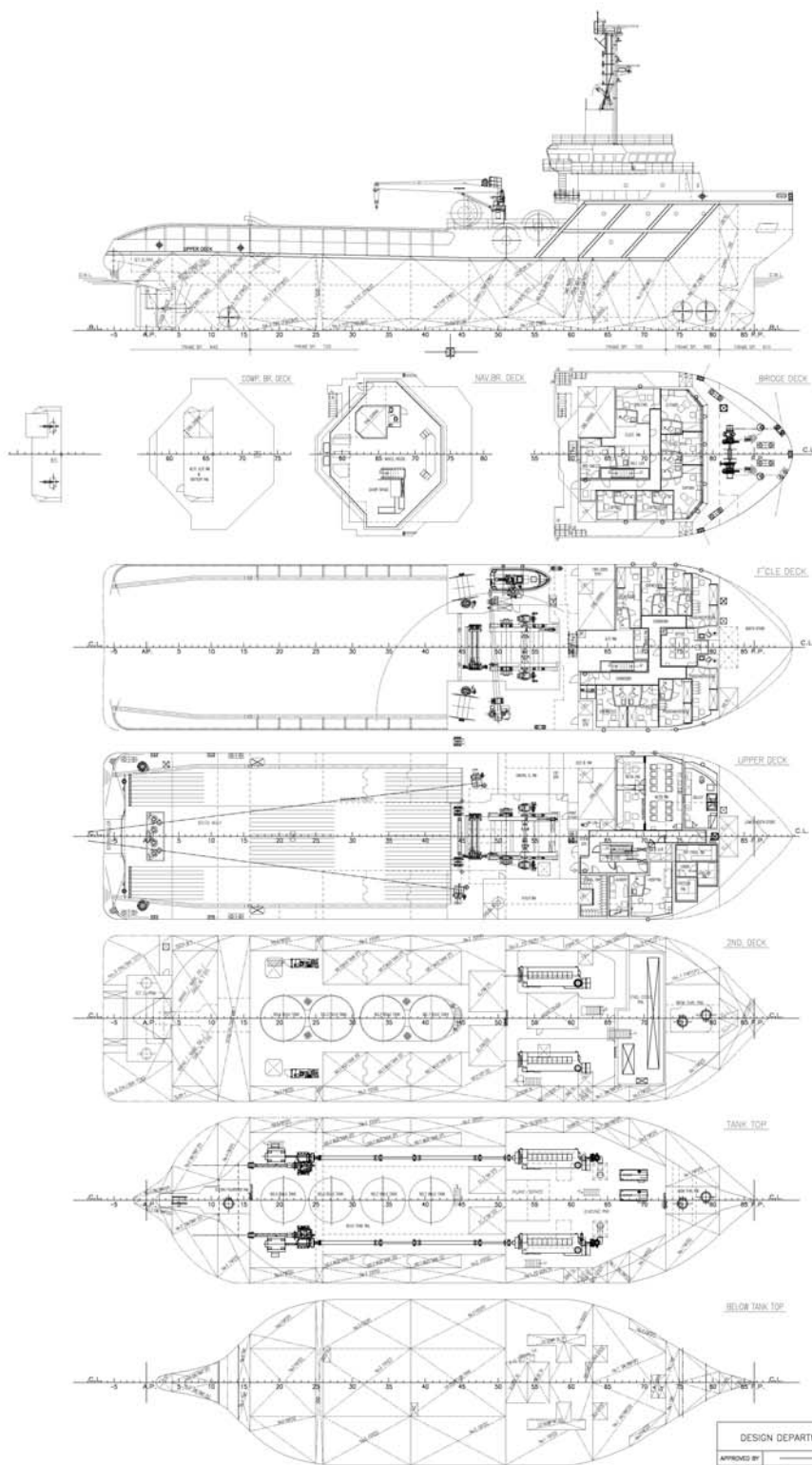
Double-bottom and Side Tanks.
 Anchor: 2 x High Holding Power AC 14, 1710 kg each.
 Chain: 2 x 40mm dia x 550m each side, Grade K3.
 1 x 15-men Fast Rescue Craft
 Sewage Treatment: 1 x IMO/USCG-approved.
 Anti-Roll Tank: 1 x Passive.
 Freezer: 10m³ / Chiller: 10m³.

VOLUNTARY COMPLIANCE

Certificate of Fitness - Transport & Handling of Hazardous
 & Noxious Substances (IMO A. 673 (16)).
 Document of Compliance - Ships Carrying Dangerous Goods
 (IMDG Code).
 Document of Compliance - Design & Construction of Offshore
 Supply Vessels, 2006 (IMO MSC. 235(82)).
 Statement of Fact - Code of Safe Practice for the Carriage of Cargoes
 & Persons by Offshore Supply Vessels (IMO A. 863(20)).
 Statement of Fact - Code on Noise Levels onboard Ships
 (IMO A. 468 (XII)).
 Statement of Fact - Overall Evaluation of Vibration in Merchant Ships
 (ISO 6954 - 1984 (E))

DETAILS PROVIDED HEREIN ARE BELIEVED TO BE ACCURATE HOWEVER ARE WITHOUT WARRANTY.
 INTERESTED PARTIES ARE ENCOURAGED TO INSPECT THE VESSEL TO SATISFY REQUIREMENTS

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PRINCIPAL PARTICULARS

LENGTH(O.A)	APPROX. 68.0m
LENGTH(B.P)	60.00m
BREADTH(MLD)	16.40m
DEPTH(MLD)	7.20m
DRAFT (DESIGN) (M.L.S)	9.20m
DRAFT (SCANT) (M.L.S)	6.00m

DESIGN DEPARTMENT	ROLL No: 0037/0038/0048/0049	150T BP AHTS
APPROVED BY: _____	GENERAL ARRANGEMENT	
CHECKED BY: _____		
DESIGNED BY: _____		
DRAWN BY: _____		
SPEC OF FRAMING: _____		
SCALE: 1/200	Universal Shipbuilding Corporation	DWG. NO. 4011100
		REV. 0