

65M ANCHOR HANDLING / OFFSHORE SUPPORT VESSEL



GENERAL SPECIFICATION

		ACCOMMODATION		PROPULSION SYSTEM	
		2 x 1 Man Cabin	: 2	Main Engine (Bergen)	: 2 x 4023 BHP, Diesel engine @ 750 RPM c/w reduction gearbox
		4 x 2 Men Cabin	: 8	Propeller	: 2 x CPP, 3.5 m Dia. @ 4-bladed
Port of Registry	: Port Kelang	7 x 4 Men Cabin	: 28	Bow Thruster	: 1 x 10 Tons CPP, 440V/3Ph/60Hz
Flag	: Malaysian	Total Persons On Board	: 38	Stern Thruster	: 1 x 10 Tons CPP, 440V/3Ph/60Hz
Year Delivered	: 2009			Retractable Thruster	: 1 x 1.6 m Dia. FPP (1000 BHP Diesel Engine @ 1800 RPM)
		Hospital Room	: 1 x 1-Man Bunk 1 x Treatment Table	Steering Gear	: 2 x Independent Electro Hyd. System
Builder	: Nam Cheong Dockyard Sdn. Bhd., Miri, Sarawak.	[FULLY AIR - CONDITIONED]			
Designer	: Wartsila Ship Design Pte. Ltd. (formerly CWA)				
Classification	: American Bureau of Shipping (ABS)				
Notation	: ABS+A1, Towing Vessel, AH/Offshore Support Vessel, ©, +AMS, +DPS-1, FFV-1				

PRINCIPAL PARTICULARS		DECK EQUIPMENT		PROPULSION PERFORMANCE	
Length Overall	: 65.60 m	Anchor Windlass and Mooring Winch	: Electro Hydraulic System, Windlass with 10 Tons Duty Pull @ 13 m/min, Mooring drum with 11 Tons pull @ 11.5 m/min	Maximum Speed	: 14.6 knots (approx.) @ 100% MCR
Breadth Moulded	: 16.00 m	Anchor Handling and Towing Winch	: Double drum, Waterfall type @ electro hydraulic system, Drum capacity of 2 x 1500 m x 64 mm Dia Wire, 300 Tons brake holding and 250 Tons pull force @ 8.5 m/min	Bollard Pull	: 102 Tons (approx.) @ 100% MCR
Depth Moulded	: 6.50 m			ELECTRIC POWER GENERATION	
Summer Draft	: 5.60 m	Storage Reel Winch	: 1 x 1800 m x 64 mm Dia. Wire	Main Generators	: 2 x 450 kW @ 440V/3Ph/60Hz
Gross Tonnage	: 2147	Shark Jaw	: 1 set x 300 Tons @ Electro Hyd. System	Emergency/ Harbor Generators	: 1 x 140 kW @ 440V/3Ph/60Hz
Net Tonnage	: 644	Towing Pins	: 1 set x 160 Tons @ Electro Hyd. System	Shaft Alternators	: 2 x 1450 kW @ 440V/3Ph/60Hz
Deadweight (Summer Draft)	: 2067.21 Tons (approx.)	Stern Roller	: 4.80 m (L) x 2.00 m Dia.	DYNAMIC POSITIONING SYSTEM	
Free Deck Space	: 415 m ² (approx.)	Tugger Winch	: 2 x 10 Tons @ Electro Hyd. System	DP-1 System	: 1 set
Deck Strength	: 5.5 Tons/m ²	Capstan	: 2 x 9 Tons @ Electro Hyd. System	Maker	: GE Power Conversion
		Provision Crane	: 1 x 5 Tons (SWL) @ 15 m outreach (telescopic crane)	NAVIGATION & COMMUNICATION EQUIPMENT	
SAFETY EQUIPMENT		Reefer Point	: 4 x 16 A, 415V/3Ph/50Hz; 4 x 32 A, 230V/1Ph/50Hz	GMDSS Radio A3)	: 1 complete set
Liferafts	: 6 x 20 men	ANCHOR MOORING SYSTEM		GPS Navigator	: 1 unit
Rescue Boat	: 1 x 6 men semi rigid type c/w pivoting davit	Anchor Type	: Stockless Bower Anchors	DGPS	: 2 units
Rem arks: Vessel's Life Saving Equipment are in accordance with SOLAS/LSA Code & Flag State requirements.		Anchor Capacity	: 2 x 2280 kg	Gyro Compass c/w Autopilot	: 2 units Gyro Compass; 1 unit Autopilot
		Anchor Chains	: 825 m (TOTAL)	Magnetic Compass	: 1 set
		OTHER EQUIPMENT CAPACITIES		Radar (ARPA)	: 2 units
FIRE FIGHTING & ANTI POLLUTION EQUIPMENT		Bulk Tank Compressor	: 2 x 1368 m ³ /hr @ 5.6bar	Echo Sounder	: 1 unit
FiFi Classification	: FFV 1	Bulk Tank Dryer	: 1 x 1800 m ³ /hr @ 5.6bar	Speed Log	: 1 unit
Fire Pumps Capacity	: 2 x 1600 m ³ /hr	Oily Water Separator	: 1 x 1 m ³ /hr	Anemometer	: 2 units
Fire Monitor Capacity	: 1 x 1200 m ³ /hr water c/w 300 m ³ /hr foam; 1 x 1200m ³ /hr water	Sewage Treatment Plant	: 1 x 4.66 m ³ /day (38 men)	Navtex Receiver	: 1 unit
Oil Dispersant System	: 2 x 6 m Dispersant Boom	Liquid Mud Agitator	: 2 x 2.5 m Dia. Impeller; 16.5 kW/35RPM EACH	AIS	: 1 unit
Rem arks: 1 x Fixed Fire-extinguishing System (CO2) to Machinery Space		Hydraulic Power-Pack	: 1 x 100ℓ / min c/w 55.0 kW Motor, 440V/3Ph/60Hz @ 1770 RPM	SART	: 1 set
Cat. A, 1 x Fixed Local Application System (Water Mist) to Machinery Space Cat.A, 1 x Fire Detection & Alarm System, and 1 x Deck Foam in accordance with IMO SOLAS/ FFS Code & Flag State requirements.			: 1 x 300ℓ (Reservoir Tank)	EPIRB	: 1 unit (406MHz)
				SSAS	: 1 set
				Satellite Communication	: 1 set
				Satellite Data Transmission	: 1 set x Inmarsat System
DISCHARGE PUMPS CAPACITIES				Interior Communication System	: 1 set
Fuel Oil (Cargo)	: 1 x 150 m ³ /hr @ 90 m head			PA System	: 1 set
Fresh Water (Cargo)	: 1 x 150 m ³ /hr @ 90 m head			Sound Reception System	: 1 set
Drill Water (Cargo)	: 1 x 150 m ³ /hr @ 90 m head			Search Light	: 2 units
Liquid Mud (Cargo)	: 2 x 100 m ³ /hr @ 90 m head			Fleet Broadband	: 1 set
Brine (Cargo)	: 1 x 100 m ³ /hr @ 90 m head			VSAT	: 1 set

Drill Water Tanks (m ³)		
1	No.1 FW & DW & WB (C)	102.50
2	No.1 FW & DW & WB (C)	82.80
3	No.3 FW & DW & WB (P)	33.30
4	No.3 FW & DW & WB (S)	33.30
5	No.3 FW & DW & WB (C)	21.70
6	FW & DW TK (P)	66.40
7	FW & DW TK (S)	66.40
TOTAL:		406.40

Fresh Water (m ³)		
1	No.1 FW TK (P)	95.60
2	No.1 FW TK (S)	95.60
3	No.2 FW TK (P)	112.80
4	No.2 FW TK (S)	112.80
TOTAL:		416.80

Fuel Oil Tanks (m ³)		
1	No.1 FO TK (P)	103.40
2	No.1 FO TK (S)	103.40
3	No.1 FO TK (C)	109.80
4	No.2 FO TK (P)	123.00
5	No.2 FO TK (S)	131.00
6	No.2 FO TK (C)	70.50
7	FO Day TK (P)	16.60
8	FO Day TK (S)	16.60
TOTAL:		674.30

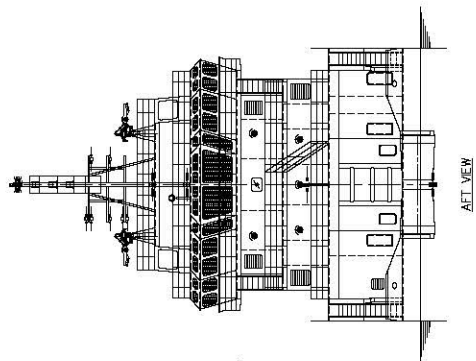
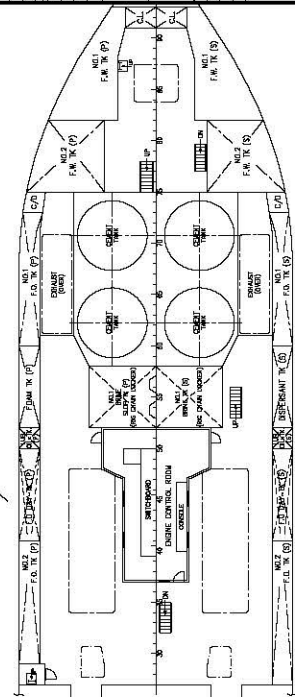
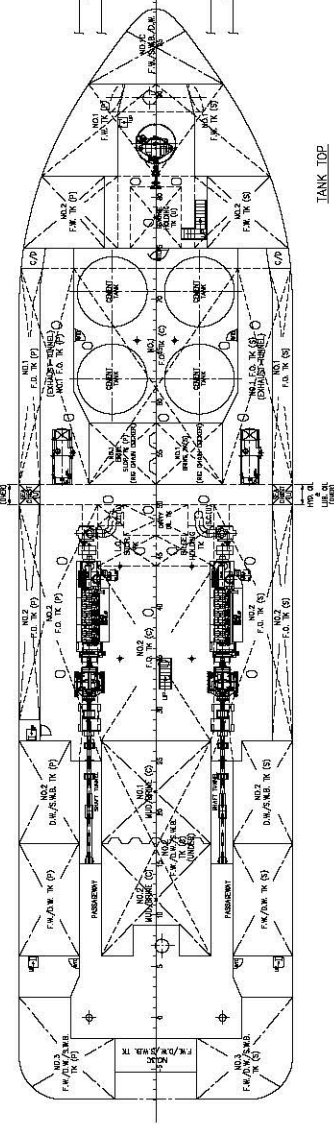
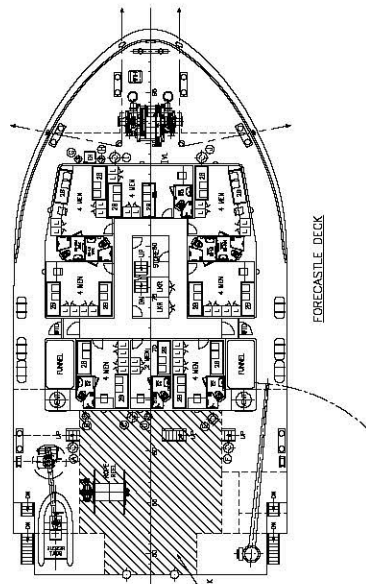
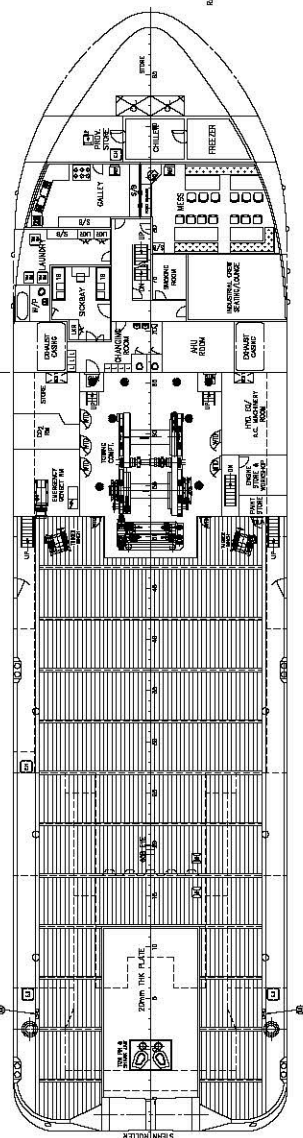
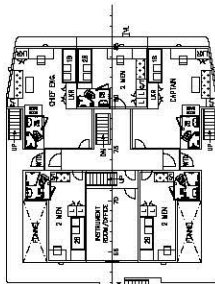
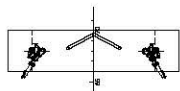
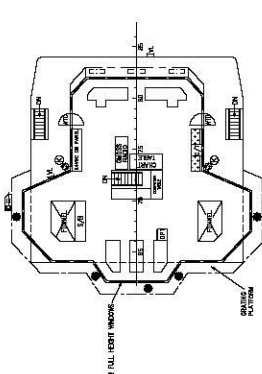
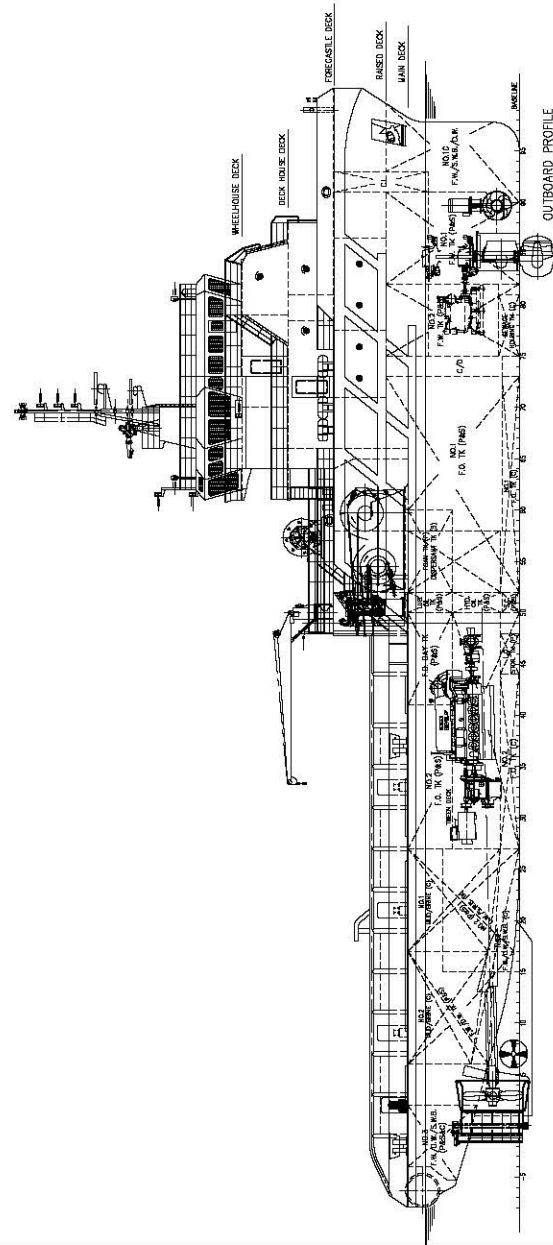
Dry Bulk Tanks (m ³)		
1	No.1 Cement TK (P)	58.30
2	No.2 Cement TK (S)	58.30
3	No.1 Cement TK(P)	58.30
4	No.2 Cement TK (S)	58.30
TOTAL:		233.20

Misc Tanks (m ³)		
1	Hyd. Oil (P)	3.70
2	Hyd. Oil (S)	3.70
3	Lube Oil (P)	2.70
4	Lube Oil (S)	2.70
5	Lube Oil Storage TK	7.40
6	Bilge TK (S)	7.40
7	Dirty Oil TK (C)	7.80
8	Sewage Holding TK (C)	12.70
9	Foam TK (P)	14.70
10	Dispersant TK (S)	14.70
11	No.1 BR & Slop & RIG CL (P)	71.80
12	No.1 BR & RIG CL (S)	77.60
13	No.2 DW & WB (P)	98.90
14	No.2 DW & WB (S)	98.90
15	No.1 Mud & BR TK	181.90
16	No.2 Mud & BR TK	140.60
TOTAL:		747.20

UPDATED: 15-Mar-2016

[ALL INFORMATION ARE BELIEVED TO BE ACCURATE AT THE TIME OF PRINTING]

THIS TECHNICAL BRIEF SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE



NOTE:

- | | |
|---|---|
| A | - CO2 EXHAUST |
| B | - SICKBAY W/P EXHAUST |
| C | - WANCH COMPT. EXHAUST |
| D | - SMOKING ROOM EXHAUST |
| E | - AHU RM NATURAL VENT |
| F | - HYD. MACHINE RM EXHAUST |
| G | - TWO STORE SUPPLY |
| H | - GALLEY EXHAUST |
| I | - B/T COMPT. EXHAUST |
| J | - B/T COMPT. SUPPLY |
| K | - ACCOMMODATION SPACES ATTACHED W/P (DECKHOUSE & F'LE DECK) EXHAUST FOR PMS |
| M | - S/G COMPT. EXHAUST/SUPPLY |

PRINCIPAL PARTICULARS

LENGTH O.A. _____ 65.50m
 LENGTH W.L. _____ 63.50m
 BEAM M.D. _____ 16.00m
 DEPTH M.D. _____ 6.50m
 DRAFT DESIGNED / SCANTLING _____ 5.50m / 5.80m
 COMPLEMENT _____ 38 MEN

DATE	REV	MODIFICATION	BY
18-03-07	A	SOME AMENDED AS PER OWNER'S COMMENTS	LUA
03-08-07	B	WORKED AS PER OWNER'S COMMENTS	LUA
24-10-08	C	WORKED AS PER SHIPYARD COMMENTS	LUA
30-07-08	D	AS FITTED BY YARD	LUA

TITLE	General Arrangement
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BUILDER	MAN CHONG DOCKYARD SDN BHD	YARD NO.	NC 545,540,547
CLASS	AUS 4-A1 (C) AIRPORT/SHORE SUPPORT & FIRE FIGHTING VESSEL CLASS 1		

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