



TOWING & ANCHOR HANDLING

Crane	N/A
Anchor Handling / Towing	Plimssoll PC-AHTW/WF- 150/200
Winch	
Tugger Winch	2 x 15T x 15m/min
Winch Type	MC Gregor
Windlass	1 combined mooring and windlass winch rating 6.1t 10m/min 36mm
Anchor	2 (HHPA-14) x 1740 KG Anchor
Anchor Chain	36 mm, U3 grade ABS class
Chains	2 x (12 SH x 27.5Mtr x Ø 36mm)
Towing Pins	1 pair SWL 100T
Shark Jaws	SWL 200T
Stern Roller	Ø3.56m x 1m (length) – SWL = 283T
Spare Tow Wire	52mm x 800m galvanized wire rope (IWRC, 66x36, RHOL, 1960 N/mm ²) with spelter socket one end and plain end on winch.
Capstans	2 x 5T x 15 m/min
Pneumatic Bulk Handling System	4 Bulk storage tank with capacity: 1000 cu ft (tanks)
Storage Reels	PC-HSW/SD-08
Rated Pull	150T x 2.5 m/min
Brake Holding Load	200 Tons
Drum Capacity	1000m x 52mm
Brake Capacity	15T static 1 st layer
Winch Wire Capacity	800 m

PERFORMANCE

Max Speed	12.7 knots	18.1 m ³ /Day
Service Speed	11 knots	13.3 m ³ /Day
Economic Speed	9 knots	10.9 m ³ /day

CAPACITY

Fuel Oil	490.0 m ³	132,878 USG
Fresh Water	205.0 m ³	4,155.26 USG
Drill Water / Water Ballast	503.0 m ³	132,878.32 USG
Liquid Mud	81.8 m ³	514.51 BBL
Brine	88 m ³	23,247.14 USG
Dry Bulk / Cement	113.27 m ³	4,000 ft ³
Dispersant	10 m ³	2,641.72 USG
Lube Oil	5.8 m ³	1,532.2 USG
Dirty Oil	7.75 m ³	2,047.33 USG
Hydraulic Oil	10.1 m ³	2,668.14 USG
Liquid Safra Oil	87 m ³	22,983 USG
Bilge Holding Sewage Tank	13.6 m ³	3,592.74 USG
Foam	10 m ³	2,641.72 USG

DOCUMENTATION

Classification	ABS (American Bureau of Shipping)
Year Built	2009
Keel Laid Year	2008
Place of Build	China
Vessel Type	A1, Towing Vessel, AH, Fire Fighting Vessel Class 1, Offshore Support Vessel, ©, AMS
Port of Registry	Malakal Harbor
Flag	Palau
Official No.	P039036
Call Sign	T8A3331
IMO No.	9540493

MAIN PARTICULARS

Length Overall	58.0 m	190.29 ft
Length BP	56.50 m	185.37 ft
Breadth Moulded	13.80 m	45.28 ft
Depth Moulded	5.50 m	4.18.04 ft
Draft (max)	4.75 m	15.58 ft
Draft (operational)	4.50 m	14.76 ft
Bollard Pull	60 Tons	
GRT / NT	1330T / 399T	
Lightship Weight	1300.56T	1280.01 Lt
Deadweight	1368.28T	1346.68 Lt
Summer Freeboard	762 mm	2.50 ft

CARGO DECK

Deck Strength	5T / m ²	
Deck Cargo Tonnage	1330T	4.921 Lt/m ²
Clear Deck Area	350 m ²	3767.37 ft ²
Deck Length	31m	101.71 ft
Deck Width	11m	36.09 ft

MACHINERY

Main Engine	2 Nigata 1838 kW 750 rpm (5000 bhp)
Propellers	2 x Z-Peller with kork nozzle
Propulsion	Azimuth Z peller
Gearbox	Z Peller
Main Propulsion Type	Azimuth Z Peller
Auxiliary Engines	Caterpillar 3 x 320 kW @ 1800 rpm
Auxiliary Generator	3 x 320 kW
Emergency Generator	Caterpillar 1 x 320 kW 400 kVA
Azimuth Stern Drive	Nigata Z-Peller Zp-41cp
Bow Thruster	1 x 880 KW (12T thrusting output)

ACCOMMODATIONS

Single Cabins	6
2 Men Cabins	3
4 Man Cabins	3
Total	24 Berth Cabins
Hospital	One (1)

*All cabins are fully air-conditioned, complying with ILO 92, IMO Resolution A468 (XII)

DELIVERY RATES

Fuel Oil	100m ³ / hr 60m head
Fresh Water	100m ³ / hr 60m head
Drill Water	100m ³ / hr 60m head
Liquid Mud	100m ³ / hr 60m head
Brine	60m ³ / hr 60m head
Dry Bulk / Cement	1,000ft ³ / hr

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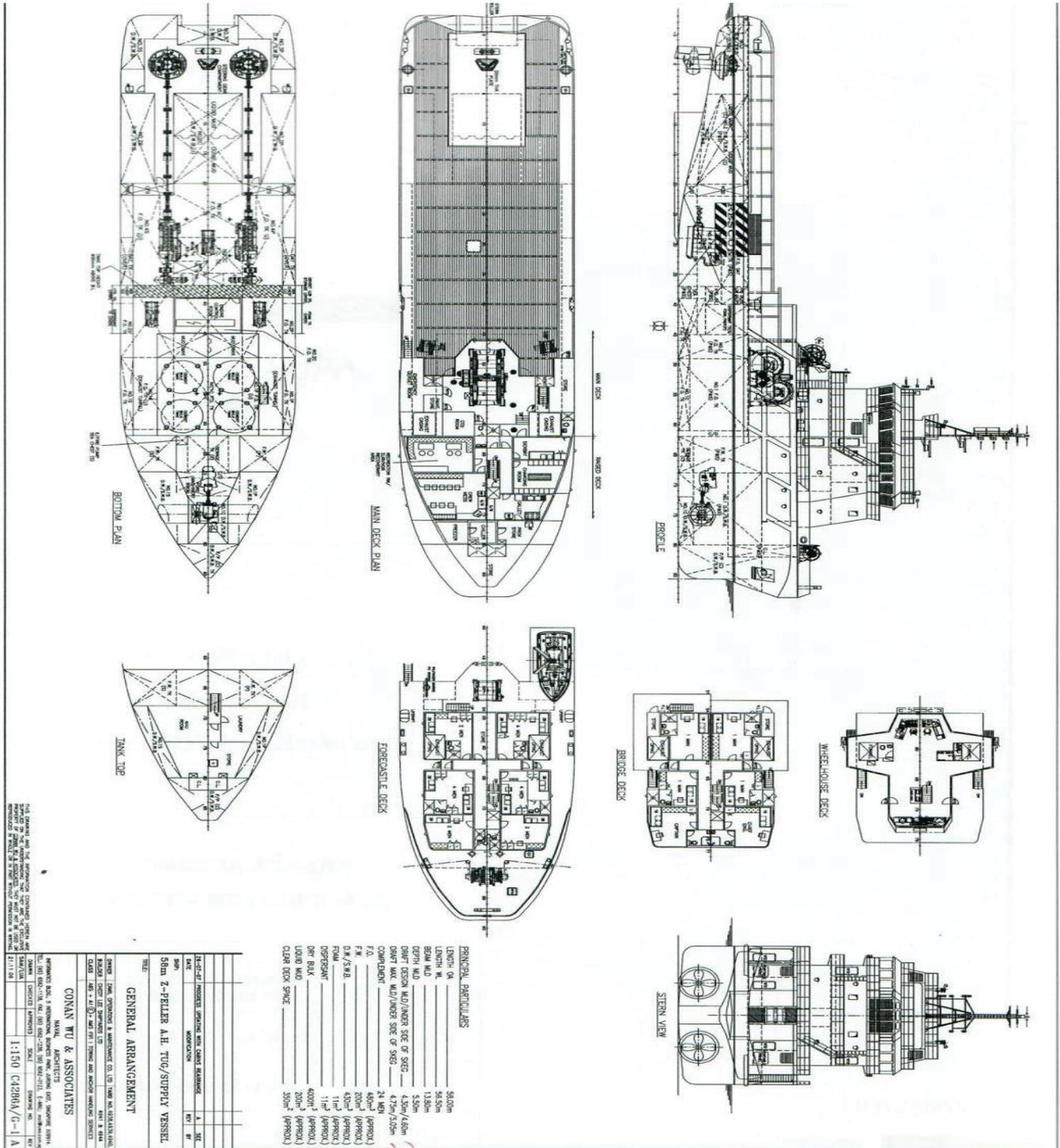
SAFETY EQUIPMENT

Class 1 With Water Spray System FIFI Class	
Life Rafts	4 x 25 men
Fast Rescue Boat (FRC)	1 x 22 knots speed- 15 pax
Life Buoys	8 pcs. (8 spare)
Life Jackets	37 pcs. Inflatable jackets
Work Vest	6 pcs.
Scrambling Nets	Port & Starboard Sides
FRC Davit	Palfinger, marine PRHE-30
Monitor Control	Portable Joystick Panel
Monitors	CAP. 16500m ³ / h, Press = 13 bar
Range	122 m
Pump Capacity	1650m ³ /h
Emergency Fire Pump	35m ³ / h @ 60m head / UM-EP50/20AR
Fire Monitors	FFS 1200/300 Dual flow LB, Reduce cap: 300 m ³ / h pressure 10 bar
Fire Protection	Water spray sprinkler system, fix CO2 system
Fire Extinguishers	19 x DCP, 17 x Foam
Fire Station	As per FCP
Spray Boom	2 Monitor F-65, sea plus, Korea
Oil Dispersant	9.9m ³ capacity
Searchlights	1 pc on forward & 2 on aft In monkey island
Night Vision Equipment	Binocular

ELECTRONICS & CONTROLS

Radars	2 units Furuno FAR-2117 & MAK2
Gyro Compass	1 (Simrad GC80)
Magnetic Compass	1 (Saura)
GPS	2 (Furuno GP150/GP37)
AIS	1- Furuno FA-150
Echo Sounder	1 Furuno FE-700
Doppler Current Meter	1 Furuno CI-88
Auto Pilot	1 Simrad AP-50
SSB	1 Furuno FS2571C
VHF	2 Furuno FM8800
NAVTEX	1 Furuno NX-700
GMDSS	3 Samsung STV160
Handheld VHF	3 Entel HT544
Rig Move Radio	2 Portable (Motorola GP328)
Aviation Radio	1 ICOM
INMARSAT C	1 Furuno Felcom 15
EPIRB	1 NSR NEB-2000
SART	2 ACR Pathfinder
Speed Log	1 Furuno DS-80
Public Address System	1 Raymarine Ray 430
X – band TM radar	1 Furuno FAR-2117
Radar 2	1 Furuno 1942 MARK-2
ECDIS	1 (Raytheon Anschutz)

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