



**DP2, 8 POINT MOORING MULTI-PURPOSE WORK BARGE**

DIMENSION		REGISTRATION	
Length Overall	: 126.560 m (inc Thruster box Fwd & Aft)	Year of Built	: 2011-Nantong Dongjiang Shipyard Co. Ltd.
Breadth Moulded	: 31.70 m	Year of Conversion	: 2018- Dubai Ship Building & Engineering LLC
Depth Moulded	: 7.31 m	Class	: Bureau Veritas (BV)-Class no.34260R
Summer Draft	: 4.5 m	Flag	: Union of Comoros
	: 4.514 m(external fr. underside)	Port of Registry	: Moroni
Summer Draft	: 15881.33 T	Class Notation	: I <del>HULL</del> , <del>MACH</del> , <del>AUT_UMS</del> , <del>DYNAPOS</del> AM / AT R HEL/ <del>ALM</del> Special Service / Utility – Construction Vessel, Unrestricted MODU
Displacement @ Zero trim		Call Sign	: D6 A2 253
		IMO no	: 8799358
		Owner	: PT David Marine Inc.
		Managed/Operated by	: Mubarak Marine LLC
TONNAGE			
GRT	: 11438 t		
NRT	: 3432 t (approx.)		
DWT	: 9738 t		
Displacement	: 15889 t		
MACHINERY		THRUSTERS	Thruster Room
Main Generators	: 5 x 620kw @1800rpm Caterpillar 3412DITA 1 x 599kw@1800rpm CaterpillarC18	Propulsion	: 4Nos. Thrustmaster Model TH-2000RN Hydraulic Inboard 2 Levels Retractable Azimuth Thruster
Emergency/ Harbour Gen.	: 1 x 199kw @1800rpm Scania 3056DITA c/w Leroy Somer LL3024F, 44V/3ph/60Hz	Prime Mover	: 4 Units Caterpillar 3516B Box Cooled Diesel Engine
Oily Water Separator	: 1 x 1m <sup>3</sup> /h , 15ppm alarm	Rating (TCR)	: 4 x 2,000 BHP (5965.59 kW) = 8000 BHP
Fresh Water Maker	: 2 x 50m <sup>3</sup> /day reverse osmosis		
Sewage Treatment Plant	: 2 x 150men, WCB-150		
CLEAR DECK AREA		DECK EQUIPMENT	
Work Deck Area	: 1800 m <sup>2</sup>	Mooring Winches	: 8 x Single drum electro-hydraulic Mentrade HMW 90t Tension & line-out sensors 8 x 1400m (L) x 52mm Ø, wire rope
Deck Strength	: 12.5 t/m <sup>2</sup>	Spud Legs	: 1.2m Ø x 22m length
CAPACITY		Spud Winches	: 2nos. x 50t pull, Electric winches Drum Capacity 180mx38mm Ø wire rope
Fuel Oil	: 1727 m <sup>3</sup> (approx.)	Main Crane	: 1 x 300mt Huisman Pedestal ,Mounted offshore Crane 46m
Fuel Oil Transfer P/P	: 1 x 118 cbm/hr @ 60head 1 x 12 m <sup>3</sup> /h Pr.0.33Mpa P=4kw	Main Hoist	: 300mt x 11m radius, 72mt @44radius
Fresh Water	: 2972 m <sup>3</sup> (approx.)	Auxiliary Hoist	: 30mt @ 30m/min, 9.2-53.6m radius
Fresh Water Transfer P/P	: 1 x 120 cbm/hr @ 60m head	Anchors	: 8 x Delta Flippers of 7t each
Ballast Fresh Water	: 5664 m <sup>3</sup> (approx.)	Helideck	: Designed for AW101,Sikorsky S61N & Sikorsky S92A Length:25.40m Width:25.40m D-Value 25.00m
Foam/Detergent	: 1m <sup>3</sup> /Nil		
Freezer Room	: 50 m <sup>3</sup>		
Chiller Room	: 55 m <sup>3</sup>		
AC unit	: 2 x 133t =266t Cooling capacity		

Deck Cargo	: 6000 T	Landing Weight Limit:12.80t, Vertical Distance fr. Waterline at normal operating draft:21m
		Helideck fitted with 1.Access-2 2.Foam Monitors 3.Crash Kit 4.FiFi equipment & suitable forM18
	Outer area	: 25.62m x 25.62 m
	Tugger Winch	: 1x15mt @15m/min electrohyd,Mentrade HUW15T

**FIRE FIGHTING EQUIPMENT**

Fire pump	: 1 x 150 cu.m/h @110m head
Fire Detection	: Smoke &Heat Detection System
Sprinkler System	: Covering all areas of Accommodation
Gas Detection	: H <sub>2</sub> S & LEL detection
Mist System	: Covering all machinery spaces
Fixed CO <sub>2</sub> System	: For Engine room
Life Raft	: 24 x 25 persons = 600 persons
Rescue Boat	: 1x6 persons SOLAS approved C/W Davit

Barge is built in conformity to SOLAS existing regulations

**DYNAMIC POSITIONING SYSTEM**

Make & Model	: Wartsila DP2 NACOS Platinum CL2 Dynamic Positioning System
Control/Signal Processor Unit	: CP1-SPU-64,Signal Control Processor Unit-Single CP,Bulkhead Mount
DP Reference System	: 2 x DGPS,Fugro Seastar 9205 (L1/L2,GPS &GLONASS) 1x Laser Range & Bearing System GCS Cyscan Absolute signature 1xRange&Bearing Sensor, Mini-RadaScan 1xHydro acoustic,1xTautwiresystem
Targets	: 1xTarget, Laser,8-Way PrismCluster 1 x Target, Radar Reflector (Mini-RadaScan)

**NAVIGATION & COMMUNICATION EQUIPMENT**

GMDSS	: Area 3 Comprising 1 x Sailor MF/HF 6310 150w 2 x Sailor 6222 VHF DSC Class A 2 x Sailor 6110 Mini –C with (LRIT & SSAS)
SSB	: 1 x Furuno FS-1570T
Inmarsat F	: 1 x Furuno Felcom 70
VHF Radio	: 2 x Furuno FM 3000 with built in DSC 1 x Furuno FM 8800S with built in DSC
Navtex Receiver	: 1 x Furuno NX 700A
SART	: 2 x Mc Murdo S4
EPIRB	: 1 x Mc Murdo E5
GPS	: 1 x Furuno GP150 & 1 x Koden KGP915
Weather Fax	: 1 x Furuno FAX408
ECDIS	: 1 x Simrad 5024
Gyro Compass	: 3 x Standard 22 (Anschutz)
Portable VHF Radios	: 3 x Mc Murdo R2 & 3 x Motorola GP-328
Portable MarineVHF Radio	: 1 x ICOM IC-A6 (HLO)
Radar	: 1x X band Koden MRD108P& 1x S band Simrad Argus
Echo Sounder	: 1 x Furuno FE700
Satellite Compass	: 1 x Furuno SC502
Speed Log	: 1 x JLN 205MK2 (JRC)
Doppler current meter	: 1 x JLN 652BB (JRC)
BNWAS	: 1 x Navitron NT-991
VDR	: 1 x Netwave NW-6000
Gyro repeaters	: 3 xNavitron NT-920DHR,1xNavitron NT920-AHR 2 x Wing Bearing Repeater
Autopilot	: 1 x Navitron NT-999GBD

**ACCOMMODATION FACILITY**

Offices	: 6 Total
Conference Room	: 1 with seating capacity for 20men
TV Room	: 1 with seating capacity for 42men 1 with seating capacity for 10men
Mess Room	: 1x Officer mess with seating capacity for 30 men 1x Main mess with seating capacity for 150 men
Recreation Room	: 1x Main room with seating capacity for 80 men 1x Officer room with seating capacity for 15 men 2x Prayer room,1x Meeting room, 1x Change room 1x FWD control room,1x Laundry/Drying room 1x Dry Provision room,1x winch control room 1x Arrival/Departure room for up to 25 men 1x Barge radio room,1x Game room,1x Gym room 1 x Smoking room
Hospital	: 2no.Single Berth with attached paramedic room
WORKSHOP FACILITY	: 1 complete with Lathe,Drilling & Grinding machines Electric saw, oxy-acetylene & welding machine
Ships's Control	: 6 <sup>th</sup> Deck (Operation room) & Control Deck

**TOTAL ACCOMMODATION = 239 persons**

Single Berth	: 7 x 1 Berth = 7 persons
Double Berth	: 46 x 2 Berth = 92 persons
Four Men Berth	: 35 x 4 Berth = 140 persons
Total	: 239 persons