



"M.V. MUBARAK SPIRIT"

64.80 METER MULTI-PURPOSE OFFSHORE SUPPLY VESSEL



Main Particulars

Length Overall	: 64.80 metres
Breadth Mld.	: 16.00 metres
Depth at Freeboard Dk.:	6.50 metres
Draft Designed	: 5.6 metres
Service Speed	: 13 Knots min. @ 100% MCR at 4.5M Draft
Clear Deck Space	: 416 sq. metres
GRT / NRT :	TBA
Light Ship	TBA

Machinery / Propulsion / Maneuvering

Main Engine	: 2 x Niigata Marine Diesel Engine
Horsepower / RPM	: 2 x 3200 HP (2353 kW) @ 750 rpm
Generators	: 2x550kW and 2x1115kW
Emergency Generator	: 416kW
Propulsion Units	: Niigata ZP-41, 360° steerable,
Propellers	: Z-drive, Fixed pitch
Bow Thruster	: 2nos x 825kW – CPP motor driven
Dynamic Positioning	: DP-2
Bollard Pull	: 82 Tons (Ahead Pull)
Liquid Mud / Brine	: 330 m³ approx. (145 m³ + 185m³)
Bulk Cement	: 180m³ approx.
(4 x 45m³)Deck Crane:	10MT @ 10MTR Radius

Capacity

Fuel Oil	: 590 m³ approx.
Fresh Water	: 440 m³ approx.
Fresh Water Maker	: 1unit x approx 12m³/day
Dry Provision	: 31.5 m³ approx
Freezer / Chiller	: 23.4 m³ approx
Sewage Treatment	: 1 Unit Vacuum Type for Black & Grey Water

Navigation / Communication Equipment

Gyro Compass	: DP-2
Auto Pilot	: EPIRB

Safety / Fire Fighting

External Fire Fighting	: FIFI-1 Class
Fire station / Extinguisher	: As per SOLAS
Life Rafts / Jackets	: As per SOLAS

CEMENT (Bulk Handling System)

Air Compressor	: 2 Units 18.7 m³/min @ 5.6 Bar
Compressor Capacity	: 18.7 m³/min. @ 5.6 Bar with 90KW / motor.
Refrigerated Air Dryer	: 2 Units 18 m³/min @ 6 Bar with water separator, sea water cooling pump c/w starter and moisture separator c/w auto drain trap.

Registration

Year Built	: 2015
Owner	: Mubarak Marine L.L.C.
Port of Registry	: U.A.E
Class	: ABS
Notations	: A1 (E), Offshore Support Vessel (Supply, AH, TOW, FFV1, SPS) AMS, DPS-2
Builder	: Dubai Shipbuilding & Engineering LLC
Summer dead weight	: TBA
Summer displacement	: TBA

Deck Equipment

Anchor Handling Towing Winch	: Double Drum, Electro Hydraulic
Capacity	: 200MT Brake Pull
Drum Capacity	: 1000M x 56MM Dia. Wire Rope
Capstan	: 5.5T Rated Pull Capacity
Tugger Winch	: 2 x 10T Rated Pull Capacity
Stern Roller	: 2200MM Dia. X 5M LG
Storage Reel	: 1 x 1000M X 56mm Dia. Rope Capacity
Windlass	: Ø42mm Chain Size, 11T Gypsy Pull
Capacity	:
Deck Crane	: 10MT @ 10MTR Radius
Oil Dispersant Boom	: 2 x 8.0M

MUD / BRINE SYSTEM

Liquid Mud Cargo Pump	: 2 Nos. – two speed electric driven pump
Capacity	: 80,0 m³/h / 37,0 m³/h
Liquid Mud / Brine Pump	: 2 Nos. (1 working & 1 stand by) with cross over connection
Capacity	: 80,0 m³/h / 37,0 m³/h
Liquid Mud Agitator	: 1 No. Each Tank – Hydraulic Driven of type PG-Submix 80 w/ Viscoprop 2500mm
Re-circulation System	: Drop / Re-circulation System Vessel fitted with "deluge lines" located below the Main deck.

OTHER PUMPS

Fuel Oil Cargo Pump	: 100 m³/hr @ 70M Head
Fresh Water Cargo Pump	: 100 m³/hr @ 70M Head
Drill Water Pump	: 100 m³/hr @ 70M Head
Fuel Oil Transfer Pump	: 20 m³/hr @ 30M Head
Bilge / Ballast Pump	: 60 m³/hr @ 60M Head
Bilge / Fire Main Pump	: 60 m³/hr @ 60M Head
Fire / GS Pump	: 60 m³/hr @ 60M Head
Emergency Fire pump	: 40 m³/hr @ 60M Head
Lube Oil Transfer Pump	: 8 m³/hr @ 25M Head
Sludge / Dirty Oil Pump	: 8 m³/hr @ 35M Head
ME ST-BY FW Cooling Pump	: 80 m³/hr @ 30M Head
ME ST-BY SW Cooling Pump	: 110 m³/hr @ 20M Head
Bow Thruster SW Cooling	: 14 m³/hr @ 50M Head
FW Pressure Set - 2 Pumps + 1 Tanks	: 5 m³/hr @ 40M Head