

MV JM ABADI

Anchor Handling Tug Supply Vessel
70 M 10888 BHP 150.5 MT Bolland Pull DP2



JASAMERIN



PRINCIPAL PARTICULARS

Length Overall	: 70.0 m
Length W.L	: 62.50 m
Breadth Molded	: 17.20 m
Depth Molded	: 7.50 m
Draft Molded	: 5.50 m
Class	: Bureau Veritas
Flag/Port Registry	: Malaysian/Port Klang
Year Built	: 2014
Official No.	: 335543
IMO No.	: 9688788
Hull No.	: 20104
GRT/NRT	: 2941 / 882
Place of Built	: Muhibbah Marine Eng.

PERFORMANCE

Performance Speed	: 13 knots
Economical Speed	: 10 knots
Endurance	: Min 25 days

CARGO CAPACITIES

Deck Strength	: 7mt/m ²
Cargo Deck Area	: Approx. 550 m ²
Fuel Oil Tank	: 860.0 m ³
Drill Water	: 830.0 m ³
Potable Water	: 445.0 m ³
Liquid Mud / Brine Tank	: 410.0 m ³
Base Oil Tank	: 230.0 m ³
Foam Tank	: 20.00 m ³
Dispersant Tank	: 20.00 m ³
Dry Bulk	: 230.0 m ³ / 4Tanks

DISCHARGE RATES

Fuel Oil Cargo Pump	: 2 x 100 m ³ /Hr @ 90m head
Fresh Water Cargo Pump	: 1 x 100 m ³ /Hr @ 90m head
Drill Water Cargo Pump	: 1 x 100 m ³ /Hr @ 90m head
Liquid Mud/Brine Pump	: 2 x 100 m ³ /Hr @ 90m head
Brine Cargo Pump	: 1 x 100 m ³ /Hr @ 90m head
Base Oil Cargo Pump	: 1 x 100 m ³ /Hr @ 90m head

PROPULSION SYSTEM

Main Engines	: 2 x 5440 BHP [10,880 BHP] MAK Marine Propulsion Engines Model: 8M52C
Bow Thruster	: 2 x 12T
Stern Thrusters	: 2 x 10T
Propellers	: 2 x CPP
Shaft Alternator	: 2 x 1760 kW, 415/3 phase/50Hz Leroy Somer
Auxiliary Generator	: 2 x 450 kW, 415/3 phase/50Hz CAT C18
Emergency Generator	: 1 x 80 kW, 415/3 phase/50Hz CAT 4.4

FIRE FIGHTING EQUIPMENT (FIFI Class I)

External Fire Pump	: 2 x 1500 m ³ /hr at 1.4 Mpa each @ 1800 rpm
Fire Monitor	: 2 monitors (water, foam, manual and remote control)
Oil Dispersant Boom	: 1 set
Internal CO2 system in engine room	: Fitted

TOWING / ANCHOR HANDLING EQUIPMENT

Bolland Pull	: Average 150.5 MT, Max. 162 MT
Towing Winch	: Twin drums in waterfall configuration, Brake holding: 450 Ton @ 1st layer, Rolls Royce
Capacity	: 2000 m x 76 mm diameter
Work Drum Capacity	: 2000 m x 76 mm diameter
Stern Roller	: Approx. 2.2m dia x 5m length, SWL 450 tons
Karm Fork	: 2 sets SWL 300 tons
Towing Pins	: 1 set SWL 300 tons
Storage Reel	: 1 x 7 ton @ 58 m/min
Local/Remote control	form wheelhouse

DYNAMIC POSITIONING 2 SYSTEM

DP System	: Kongsberg DP2
	: 2 x Kongsberg DPS 110 positioning reference system with reception via Spotbeam.
	: 2 x K-Pos OS Operator Station
	: 1 x K-Pos DPC-2 Dual Redundant Controller Unit.
	: 3 x Gyro Compass
	: 2 x Motion Reference Unit (MRU).
	: 2 x Wind Sensor
	: 2 x DGPS
	: 1 x CyScan

DECK EQUIPMENT

Capstan	: 2 x 10T @ 22 m/min
Tugger Winch	: 2 x 17 ton @ 23 m/min
Anchor Windlass	: 11.9T @ 13.80 m/min

ACCOMMODATIONS

Crew + Passengers	: Total 46 berth
All cabin	fully air-conditioned
Walk-in freezer space	: 10.0 m ³
Walk-in Chiller	: 12.0 m ³

RADIO & NAVIGATION EQUIPMENTS

SSB (additional)	: 1 x Furuno RC-1800-15DC Mk4, 150W MH/HF
VHF	: 2 x VHF Radio Telephone: IOM M304
Radar	: 2 x Furuno FAR-211D
Radar Transponder	: 2 x SAMYUNG SAR-9 (SART)
Echo Sounder	: 1 x Furuno FE-700 Echo Sounder
Gyro Compass	: 1 x [S] Anschütz Magnetic Dual Gyro-Compass
GMDSS	: 2 x Furuno FM-8805 25W (Marine VHF Transceiver)
GMDSS (Portable)	: 3 x SAMYUNG STV-160 (Walkie-Talkie)
Magnetic Compass	: 1 x MK2000 (Reflector Type)
Speed Log	: 1 x Model: Furuno DS-80 (Doppler Speed Log)
Auto Pilot	: 1 x Anschütz Nautipilot Autopilot
Navtex Receiver	: 1 x Furuno NX-200B
GPS Navigator	: 1 x Furuno GP-150
AIS	: 1 x Furuno FA-150
Inmarsat C	: 1 x Felcom 15 (LRIT) 1 x Felcom 15 (ISAS)
Others	: 2 x Anemometer

LIFE SAVING & H.S.E. EQUIPMENTS

Search Lights	: 2 x 2000W
Floodlights	: 1 Fitted
Life Jackets	: 56
Liferafts	: 6 x 25 men
Lifebuoys	: 10 sets
Firemen Suits	: 6
Scrambling Net	: 2 pcs
Rescue Boat	: 1 x 6 men "Narwhal", 25HP
Stowing Davit	: As per SOLAS requirement

OTHERS

Reefer points	: 8 x 32 amp. 415V/3/50Hz 4 x 16 amp. 230V/1/50Hz
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JM ABADI GENERAL ARRANGEMENT PLAN

