

MV JM GEMILANG

Anchor Handling Tug Supply Vessel
61.8 M 5,220 BHP 74.3 MT Bollard Pull DP 1



JASAMERIN



Anchor Winch	: Zicom, 10T @ 12 m/min max duty, 45 mm chain
Anchor	: 2 x RHP AC14 1590kg Anchors

DYNAMIC POSITIONING 1 SYSTEM

DP System	: Kongsberg DP1 Dynapos AM
	: 2 x Kongsberg Differential Positioning System
	: 2 x Kongsberg Motion Reference
	: 2 x Wind Sensor
	: 1 x Digital Gyro Compass
	: 1 x UPS
	: 1 x Pos Operator Console & Station

ACCOMMODATIONS

Complement : 50 men

All cabin fully air-conditioned

Walk-in freezer space : 10.0 m³

Walk-in Chiller : 12.0 m³

RADIO & NAVIGATION EQUIPMENTS

SSB (additional) : 1 x FurunoRC-1800T-15DC Mk4; 150W

MF/HF

VHF : 2 x Furuno FM-8805 25W

Radar : 2 x Furuno FAR-2117D

Echo Sounder : 1 x Furuno FE-700

Gyro Compass : 1 x Anchutz Magnetic Dual-Gyro

Compass

GMDSS : Area 3

Magnetic Compass : 1 x MK2000 Reflector

Speed Log : 1 x Furuno DS - 80

Auto Pilot : 1 x Nautopilot AutoPilot

Navtex Receiver : 1 x Furuno NX-700B

GPS Navigator : 1 x Furuno GP - 150

Joystick : 1 Integrated Joystick Control

EPIRB : 1 x set GME MT403FF

AIS : 1 x Furuno FA 150

LIFE SAVING & H.S.E. EQUIPMENTS

Search Lights : 2 x 2000W halogen

Floodlights : 6 x 1000W halogen

Life Jackets : 2 x 500W halogen

Life Jackets : 60

Liferafts : 6 unit x 25 pax = Total Capacity 150

Lifebuoys : 8 pcs SOLAS approved

Firemen Suits : As per SOLAS requirement

Immersion Suits : As per SOLAS requirement

Scrambling Net : 2 pcs

Rescue Boat : 1 x 6 men, 25HP Outboard Motor

Slewing Davit : As per SOLAS requirement

FIRE FIGHTING EQUIPMENTS (PIPI Class I)

External

Fire Pump : 1 x Ekaerner, 2 x 1500 m³ hr. main engine driven

Fire Monitor : 2 monitors (water & foam, manual and remote control)

Off Dispersant Boom : 2 x 6m spray boom

Internal

CO2 System : Filled

In Engine Room

TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull : Average 74.3 MT, Max. 80 MT

Towing Winch : Zicom, Double drums waterfall type,

200 mt stall pull x 1000m x 58mm wire

rope

Stern Roller : 1.8 m dia x 4.0 m length, 200 SWL

Karm Fork : 1 set Karmey Ref: M330120

SWL 300 tons

Towing Pins : SWL 160 mt

Storage Reel : 1 x 5 ton @ C-20m/min

OTHERS

Reefer points : 8 x 16 amp. 415/3/50Hz

4 in sockets

PRINCIPAL PARTICULARS

Length Overall	: 61.8 m
Length Overall	: 58.4 m
Breadth Molded	: 16.00 m
Depth Molded	: 6.10 m
Draft Molded	: 4.50 m
Class	: Bureau Veritas
Flag/Port Registry	: Malaysian/Port Klang
Built / Delivery	: 2013
Official No.	: 334585
IMO No.	: 9688104
Call Sign	: 9MQM4
Hull No.	: 20102
GRT / NRT	: 1937 / 581 MT
Place of Built	: Muhibbah Marine Eng

PERFORMANCE

Performance Speed	: 13.2 knots
Economical Speed	: 10 knots
Endurance	: 22 days

CARGO CAPACITIES

Deck Cargo	: 600MT
Deck Strength	: 7mt / m ²
Cargo Deck Area	: 390 m ²
Potable Water Tank	: 460 m ³
Fuel Oil Tank	: 550 m ³
Drill Water/ SWB Tank	: 350 m ³
Foam & Detergent Tank	: 10 m ³ each
Dry Bulk Tank	: 160 m ³ / 4 tanks
Liquid Mud/Brine/	: 320 m ³
Base Oil Tank	

PUSHPION SYSTEM

Main Engines	: 2 x 2610 BHP @ 750 rpm Yanmar 6EY26
Auxiliary Engines	: Caterpillar C 18, 2 x 275 kW x 415V x 3PH x 1500 rpm
Shaft Alternator	: Leroy Somer, 2 x 15A M50, 154 4P, 700 kW 50 Hz
Bow Thruster (Electric motor driver)	: 1 x Kawasaki KT-7283 8 MT thrust
Propellers	: 2 x CPP in fixed nozzle, Berg BCP 690
Gear Box	: Reintjes, LAF 2346 K41
Steering Gear	: Wagner Nufoss Steering System, WIN LA2 4.4-45 CB2
Emergency Generator	: 1 x Caterpillar, 80kW, 415 V 3 ph., 50 Hz @ 1500rpm

DISCHARGE RATE

Fuel Oil	: 100 m ³ /hr @ 90m head
Potable / Drill Water	: 100m ³ /hr @ 90m head
Base Oil	: 100m ³ /hr @ 90m head
Liquid Mud	: 2 x 90 m ³ /hr @ 90m head 350hp x 2900 rpm for S.G 2.0
Bulk Cement	: 13.0 m ³ /min, normal working pressure 5.6 bar
Fresh Water Marker	: 10.0 m ³ /day

DECK EQUIPMENT

Capstan	: 2 x 6T @ 20 m/min
Tugger Winch	: 2 x 10T @ 15 m/min
Deck Crane	: Type ATB 58/8 5 MT @ 8m outreach

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JM GEMILANG GENERAL ARRANGEMENT PLAN

