

MV JM CEMERLANG

Anchor Handling Tug Supply Vessel
61.8 M 5,220 BHP 75.5 MT Bollard Pull DP 1



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	: Malaysia/Port Klang
Built / Delivery	: 2013
Official No.	: 334586
IMO No.	: 9688116
Call Sign	: 9MGM5
Hull No.	: 20103
GRT / NRT	: 1937 / 581 MT
Place of Built	: Mubibbah Marine Eng

PERFORMANCE

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

CARGO CAPACITIES

Deck Cargo	: 600MT
Deck Strength	: 7mt / m2
Cargo Deck Area	: 390 m2
Potable Water Tank	: 460 m3
Fuel Oil Tank	: 550 m3
Drill Water/ SWB Tank	: 350 m3
Foam & Detergent Tank	: 10 m3 each
Fry Bulk Tank	: 160 m3 / 4 tanks
Liquid Mud/Brine/ Base Oil Tank	: 320 m3

PROPULSION 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, 15A 4F, 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 m3/hr @ 90m head
Potable / Drill Water	: 100m3/hr @ 90m head
Base Oil	: 100m3/hr @ 90m head
Liquid Mud	: 2 x 90 m3/hr @ 90m head 150hp x 2900 rpm for S.G 2.0
Bulk Cement	: 13.0 m3/min, normal working pressure 5.6 bar
Fresh Water Marker	: 10.0 m3/day

ACCOMMODATIONS

Complement	: 50 men
All cabin fully air-conditioned	
Walk-in freezer space	: 10.0 m3
Walk-in Chiller	: 12.0 m3

FOR CHARTER INQUIRIES

Tel : +609 8511 1100

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

DYNAMIC POSITIONING 1 SYSTEM

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

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 Navtopilot AutoPilot
Navtex Receiver	: 1 x Furuno NX-700B
GPS Navigator	: 1 x Furuno GP - 150
Joystick	: 1 Integrated Joystick Control
PIRIB	: 1 x set GME MT403FF
AIS	: 1 x Furuno FA 150

LIFE SAVING & H.S.E. EQUIPMENTS

Search Lights	: 2 x 2000W halogen
Foodlights	: 6 x 1000W halogen 2 x 500W halogen
Life Jackets	: 60
Liferails	: 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 "Narwhal" 6 person c/w 25 hp Outboard Motor
Slewing Davit	: As per SOLAS requirement

FIRE FIGHTING EQUIPMENTS (FIFI Class I)

Fire Pump	: Kvaerner, 2 x 1500 m3 hr. main engine driven
Fire Monitor	: 2 monitors (water & foam, manual and remote control)
Oil Dependant Boom	: 2 x 6m spray boom
Internal CD2 System	: Fitted
in Engine Room	

TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull	: Average 75.5 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 Karmoy 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
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JM CEMERLANG GENERAL ARRANGEMENT PLAN

