

# MV JM HADHARI

**Anchor Handling Tug Supply Vessel**  
**59.20 M 5,444 BHP 76 MT Bollard Pull**



## PRINCIPAL PARTICULARS

Length Overall	: 59.20 m
Breath Molded	: 13.80 m
Depth Molded	: 5.50 m
Design Draft	: 4.75 m
Class	: BV-Unrestricted services
Flag/Port Registry	: Malaysian/Port Klang
Build	: 2008
Official No.	: 332473
IMO No.	: 9430545
MMSI No.	: 533000478
GRT/ NRT	: 1223 / 367
Call Sign	: 9MHQ3
Hull No.	: 20064
Place of Build	: Muhibbah Marine Eng.Sdn Bhd

## PERFORMANCE

Performance Speed	: 14 knots
Economical Speed	: 11 knots
Type of Fuel	: MGO
Endurance	: 23 days

## CARGO CAPACITIES

Deck Cargo	: 500 MT
Deck Strength	: 5mt/m <sup>2</sup>
Clear Deck Area	: 10 X 34M (covered 76mm thick hardwood)
Fuel Oil	: 470 m <sup>3</sup>
Potable / Drill	: 400 m <sup>3</sup>
Water Tank	
Dirty Oil Tank	: 12 m <sup>3</sup>
Foam & Detergent	: 11 m <sup>3</sup> each
Bulk Cement Tank	: 136 m <sup>3</sup> / 4 tanks
Mud Tank	: 140 m <sup>3</sup> / 1000 bbls
Saraline /Mentor 26	: 160 m <sup>3</sup> /1000 bbls

## DISCHARGE RATE

Fuel Oil	: 100 m <sup>3</sup> /hr @ 90 m H
Potable Water Drill	: 100 m <sup>3</sup> /hr @ 90 m H
Saraline Pump	: 95 m <sup>3</sup> /hr @ 60 m H
Liquid Mud Pump	: 95 m <sup>3</sup> /hr @ 60 m H

## PROPULSION SYSTEM

Main Engines	: 2 x 2722 BHP @ 1000 rpm CAT 3606 DITA, gearbox Reintjes LAF 1963
Generator Engine	: 3 x CAT 3406, 3 x 260 kW
Bow Thruster	: 1 x HRP5110 SD, 720 BHP 6 mt Thrust D/E driven, 1 x CAT 3412 DITA, 720 BHP, 2 x Berg Type BCF 820 x 2600mm DIA
Propellers	
Steering Gear	: Palmarine Type PEH 8002/2Pin 4mt/T

## DECK EQUIPMENT

Capstan	: Zicom, 2 X 5 mt @ 15/min Brake Holding Load : 15 ton
Tugger Winch	: Zicom, 2 X 12mt @ 25m/min Brake Holding Load : 15 ton
Crane	: Foldable type AK40 E2, 3mt @ 9 m
Anchor Windlass	: Zicom, 9 Tonnes @ 12m/min @ 1st
Anchor	: 2 x MHP AC14 1590kg Anchors
Hydraulic Storage	: Zicom, 5 tonnes @ 20m/min @ 1st layer

## TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull	: Average 76 MT, Max. 84 MT
Towing Winch	: Zicom Double Drum water, Type 150T stall pull 1000m of 58mm wire
Stern Roller	: 1.5 m dia x 3.5 m length, 200 ton SWL
Karm Fork	: 1 x Zicom SWL 300 Tons
Towing Pins	: 1 set Zicom SWL 180 tons
Storage Reel	: 1 x 5 ton @ 0-20m/min
Local / Remote control from wheelhouse	

## ACCOMMODATIONS

Crew	: 15 crews & 12 passengers
Total	: 27
All cabin fully air-conditioned	: 2 x 162 m <sup>3</sup> /hr x 1450 rpm, Blitzer

Walk-in freezer space : 31.0 m<sup>3</sup>

Walk-in Chiller : 16.5 m<sup>3</sup>

## RADIO & NAVIGATION EQUIPMENTS

SSB	: 1 x Furuno FS-1570
SSB (additional)	:
VHF	: 2 x ICOM M45, 55 ITU , 25 W
Radar	: 2 x Furuno FR-2115 & FR-1505 Mark k-3
Echo Sounder	: 1 x Furuno FE-700 6.5 inch
Gyro Compass	: 1 x Yokogawa CM2 700B
GMDSS	: Furuno, FM 8800S, 25W for A3
Magnetic Compass	: 1 set x Lilley & Gillie MK2000
Speed Log	: 1 x Furuno, DS-80, -10 to 40 kts
Auto Pilot	: 1 set Navitron FID, Model NT900G
Navtex Receiver	: 1 x Furuno NX-700B
GPS Navigator	: 1 x Furuno FP-90
Joystick Control	: 1 x Kongsberg Maritime
EPIRB	: 1 set McMurdo, Model E3
AIS	: 1 x JRC, JMS-182
Fleet Broadband	: 1 set Thrane & Thrane F88 250

## LIFE SAVING & H.S.E. EQUIPMENTS

Search Lights	: 2 x 2000W Danyang Series 190D
Floodlights	: 5 x 1000W
Life Jackets	: 34
Liferafts	: 4 x 16 men DSB
Lifebuoys	: 9 pcs (5+2+2)
Firemen Suits	: 6 sets DOT approved
Immersion Suits	: 1 set
Scrambling Net	: 1 pc
Rescue Boat	: DSB 4201RB 6 person c/w 25hp Outboard Motor

Slewing Davit	: D-CRM SWL 10 KN 3.5 m reach
Emergency Fire Pump	: 1 x 65 m <sup>3</sup> /hr @ 60 m H, Bombas Azcue

## OTHERS

Reefer points	: 8 x 16 amp, 415/3/50Hz, 4 pin socket
Unitor Arc Welding & Oxy-acetylene gas	
G.S and fire pump	: 1 x 60 m <sup>3</sup> hr @ 60 mH, Bombass Azcue

Blige and Ballast	: 1 x 60 m <sup>3</sup> hr @ 60 mH, Bombass Azcue
Sewage Treatment Plant	: 1 x DVZ, 30 cap for 27 mens

Emergency Generator	: 1 x 75 kW, CAT C4.4 DITA @ 1500rpm
Fuel Oil Purifier	: 1 x 2900 1/hr of MDO at 14cst/40 deg C Mitsubishi S310G, self cleaning

