

MV PERMINT GAGAH



ANCHOR HANDLING TUG SUPPLY VESSEL FIFI 1 BHP 5500 BOLLARD PULL 77 TONNE

PRINCIPAL PARTICULARS

Length Overall	: 59.20 m
Breadth Molded	: 13.80 m
Depth Molded	: 5.50 m
Design Draft	: 4.75 m
Class	: BV + Unrestricted services
Flag	: Port Klang
Call Sign	: 9 MEY 2
Official No.	: 330332
IMO No.	: 9298088
MMSI No.	: 533000066
GRT / NRT	: 1075/ 352
Deadweight	: 1396.74
Built	: 2003
Hull No.	: 20039
Place of Built	: Muhibbah Marine Eng.

PERFORMANCE

Maximum Speed	: 15 knots
Economical Speed	: 12 knots
Type of Fuel	: MGO
Endurance	: 25 days

CARGO CAPACITIES

Deck Cargo	: 500 ton
Deck Strength	: 5 tonnes/m ²
Clear Deck Area	: 10M x 34M (covered 76mm thick / hardwood)
Fuel Oil	: 470 m ³
Potable Water	: 203 m ³
Drill Water	: 203 m ³
Foam	: 11 m ³
Bulk Tank	: 136 m ³ (4 tanks) – (855 bbls)
Mud Tank	: 160 m ³ (1006.29 bbls)
Mentor 26	: 160 m ³ (1006.29 bbls)

DISCHARGE RATES

Fuel Oil	: 100 m ³ /Hr @ 60 m Head
Potable Water/Drill	: 100 m ³ /Hr @ 60 m Head
Mentor 26	: 95.4 m ³ /Hr @ 22 m Head
Liquid Mud	: 95.4 m ³ /Hr @ 22 m Head
Bulk Cement	: 50 m ³ /Hr @ 25 m Head

PROPULSION SYSTEM

Main Engines	: 2 x 2750 BHP Deutz SBV9M628
Auxiliary Genset	: 3 x CAT 3406 215 kW
Bow Thruster	: 1 x HRP400 Retractable Azimuth 6.5 ton thrust
Propellers	: 2 x Berg CPP
Steering Gear	: Palmarine

TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull	: 77 tons
Towing Winch	: Zicom Double Drum Waterfall Type 150T stall pull 1000m of 52mm wire
Stern Roller	: 1.5m dia x 3.5m length 200 tons SWL
Karm Fork	: 1 set 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	

DECK EQUIPMENT

Capstan	: 2 x 5 T @ 0-15 m/min Zicom
Tugger Winch	: 2 x 10 T @ 15 m/min Zicom
Crane	: Heila Foldable Type 3 tonnes
Anchor Windlass	: 9 tonnes @ 12 m/min for 36 mm chain @ 15 Shackles
Anchor	: 2 x 1440 kg

ACCOMMODATION

Crews	: 16 crews & 12 passengers
Total	: 28
All cabins fully air-conditioned	
Walk-in Freezer Space	: 11.0 m ³
Walk-in Chiller	: 16.5 m ³

RADIO & NAVIGATION EQUIPMENT

SSB	: 1 x Furuno FS-1503
VHF	: 2 x Furuno FM2710
Radar	: 2 x Furuno FR-2115/1505
Echo Sounder	: 1 x Furuno FE-606
Gyro Compass	: 1 x Yokogawa
GMDSS	: A3
Magnetic Compass	: 1 x SAURA MR-150
Speed Log	: 1 x Furuno
Auto Pilot	: 1 x Yokogawa
Navtex Receiver	: 1 x Furuno NX-500
GPS Navigator	: 1 x Furuno GP-31
Joystick	: 1 x Berg
EPIRB	: McMurdo
Mini-M	: 1 set NERA WorldPhone
Fax	: 1 set

FIRE FIGHTING EQUIPMENT (FIFI Class I)

<u>External</u>	
Fire Pump	: 2 x Hamworthy 1500 m ³ /hr
Fire Monitor	: 2 monitors (water & foam manual remote control)
Oil Dispersant Boom	: 1 set Unitor

<u>Internal</u>	
CO2 system in engine room	: Fitted

LIFE SAVING & H.S.E. EQUIPMENTS

Search Lights	: 1 x 2000W Perko Series 1900
Floodlights	: Fitted
Life Jackets	: 28
Liferafts	: 4 x 25 men DSB
Lifebuoys	: 9 pcs
Fireman Suits	: 4 pcs
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

OTHERS

Reefer Points	: 8 x 16 amp. 415/3/50 4 pin socket
Unitor Arc Welding & Oxy-acetylene gas	

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