

MV JM INTAN



Anchor Handling Tug Supply Vessel 60 M 5,220 BHP 74 MT Bollard Pull



PRINCIPAL PARTICULARS

Length Overall	: 60 m
Length W.L	: 58.74 m
Breath Molded	: 16.00 m
Depth Molded	: 5.5 m
Draft Molded	: 4.85 m
Class	: Bureau Veritas
Flag/Port Registry	: Malaysian/Port Klang
Built	: 2009
Official No.	: 334057
IMO No.	: 9545261
Call Sign	: 9MIM2
Hull No.	: 20072
GRT / NRT	: 169 / 500 MT
Place of Built	: Muhibbah Marine Eng.

PERFORMANCE

Performance Speed	: 13 knots
Economical Speed	: 11 knots
Endurance	: 22 days

CARGO CAPACITIES

Deck Cargo	: 600 MT
Deck Strength	: 7mt/m ²
Cargo Deck Area	: 390 m ²
Portable Water Tank	: 500 m ³
Fuel Oil Tank	: 522 m ³
Drill Water / SWB Tank	: 625.90 m ³
Foam & Detergent Tank	: 10 m ³ each
Dry Bulk Tank	: 170 m ³ /4 tanks
Liquid Mud Tank	: 177 m ³
Base Oil / Brine	: 159 m ³

DISCHARGE RATE

Fuel Oil	: 100 m ³ /Hr @ 90 m H
Portable Water Drill	: 100 m ³ /Hr @ 90 m H
Base Oil	: 100 m ³ /Hr @ 90 m H
Liquid Mud	: 2 x 90 m ³ /Hr @ 90 m H
	: 150hp x 2900rpm for S.G. 2.0
Bulk Cement	: 13.0 m ³ /min, normal working pressure 5.6 bar
Fresh Water Maker	: 5.5 m ³ /24hrs (240 lit/hr)

PROPULSION SYSTEM

Main Engines	: 2 x 2610 BHP @ 750 rpm Yanmar 6EY26
Auxiliary Engines	: Caterpillar 3406D DITA, 2 x 245 Ekw x 415 x 3ph x 1500 rpm
Shaft Alternator	: Leroy Somer, 2 x 15A M50, 154 4P, 700 kW 50 Hz
Bow Thruster (Electric motor driven)	: 1 x HRP 4008 TTCP 8 mt thrust, 515 kW, 1500 rpm
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, 86EkW, 415V 3 ph, 50 Hz @ 1500 rpm

TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull	: Average 74 MT, Max 78 MT
Towing Winch	: 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 tonnes
Towing Pins	: SWL 160 MT
Storage Reel	: 1 x 5 ton @ C-20m/min

DECK EQUIPMENT

Capstan	: 2 x GT @ 0-20 m/min
Tugger Winch	: 2 x 10T @ 0.15m/min
Deck Crane	: Type AT8 58/8 5 MT @ 8m outreach
Anchor Windlass	: 10T @ 0-12 m/min max duty, 45mm chain
Anchor	: 2 x HHP AC14 1590kg Anchors

ACCOMMODATIONS

Complement	: 36 men
All cabin fully air-conditioned	
Walk-in freezer space	: 10.0 m ³
Walk-in Chiller	: 12.0 m ³

RADIO & NAVIGATION EQUIPMENTS

SSB	: 1 x JRC 150W MF/HF
SSB (additional)	: 1 x Furuno PS-1503 150W SSB/HF
VHF	: 2 x JRC-7705
Radar	: JRC, JMA-5312-6, 5210-6
Echo Sounder	: JRC, JFE-380
Gyro Compass	: Yokogawa CMZ 700B M 3
GMDSS	: Area 3
Magnetic Compass	: 1 x Lilley & Gillie MK2000
Speed Log	: 1 x JRC, ILN-205
Auto Pilot	: 1 x Navitron PID. NT991G MKII
Navtex Receiver	: JRC, NCR-333
GPS Navigator	: 2 x JRC, RWZ-4570
Joystick	: 1 Integrated Joystick Control
EPIRB	: 1 set JME MT403FF
AIS	: 1 x JRC, IHS-182
Fleet Broadband	: 1 set Thrane & Thrane F88 250

LIFE SAVING & H.S.E. EQUIPMENTS

Search Lights	: 2 x 2000W halogen
Floodlights	: 6 x 1000W halogen, 2 x 500W halogen
Life Jackets	: 28 + 6 men
Liferaths	: 4 x 15 men capacity
Lifebuoys	: 3 pcs SOLAS approved
Firemen Suits	: As per SOLAS requirement
Immersion Suits	: As per SOLAS requirement
Scrambling Net	: 2 pcs
Rescue Boat	: semi-rigid "Narwal" 6 person @ c/w 30 hp outboard motor
Slewing Devit	: As per SOLAS requirement

AUXILIARY MACHINERIES

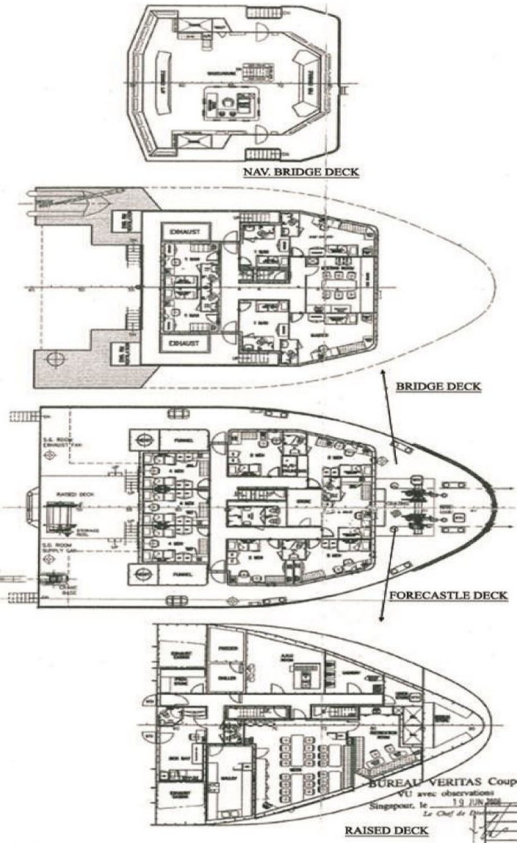
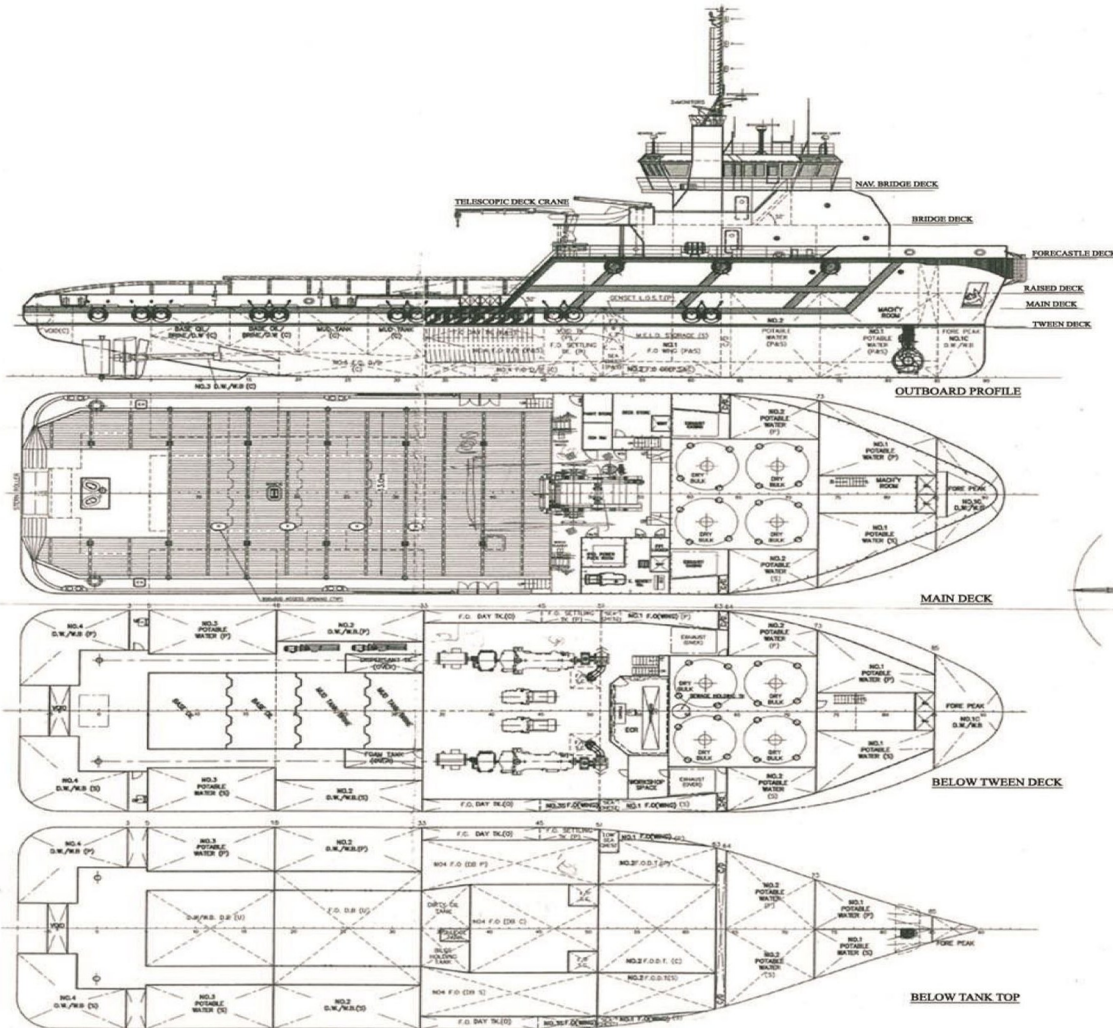
G.S and Bre pump	: 1 x 60 m ³ hr @ 60 mH, 18.5 kW Bombass Azcue BA WM-EM
Bilge and Ballast	: 1 x 60 m ³ hr @ 60 mH, 18.5 kW Bombass Azcue BA WM-EM
Lub Oil Purifier	: 2 x 800 l/h, Mitsubishi Kaisha, Model S11-G self-cleaning
Sewage Treatment Plant	: DVZ, 30 men, marpol compliance
Oily Water Separator	: 1.0 m ³ , marpol compliance

OTHERS

Refer points	: 4 x 22 amp 415/3/50Hz 4 x 16 amp 240V/1/50Hz
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JM INTAN GENERAL ARRANGEMENT PLAN



PRINCIPAL PARTICULARS

LENGTH O.A.	60.00m
LENGTH WL	58.74m
BEAM MLD.	16.00m
DEPTH MLD.	5.50m
DRAFT DESIGNED/max.	4.20m/4.85m
DWT	1150t/1650t
COMPLEMENT	28 MEN
POTABLE WATER	500m ³ (Approx)
F.O.	522m ³ (Approx)
D.W./S.W.B.	550m ³ (Approx)
LIQUID MUD	177m ³
BASE OIL/BRINE/D.W	159m ³
FOAM	10m ³
DISPERSANT	10m ³
DRY BULK	170m ³
DIRTY OIL	11m ³
BRIG HOLDING	11m ³
DECK SPACE	390m ² (approx.)
DECK CARGO	600tonnes (approx.)

BUREAU VERITAS Coupe
 VU avec observations 11857B
 Singapore, le 19 JUI 2008 336826
 Le Chef de Bureau

JM INTAN
 HULL NO : 20072

DATE	MODIFICATION	REV	BY

SEE TECHNICAL COMMENT
 NO. SPO/ 05/02020
 DATED 19 JUN 2008

ORDER: MURDHAH MARINE ENGINEERING SDN BHD | VARD NO. 20071/20072
 CLASS: BY

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 04 MAR 2008

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