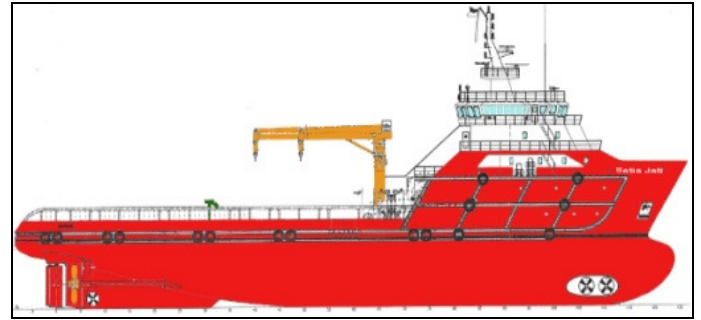


MV SETIA PERKASA – 12,000 BHP
ANCHOR HANDLING / TUG/ SUPPLY – DP2

DELIVERY 1ST QUARTER 2011

PRINCIPAL PARTICULARS

Port Of Registry : Port Kelang
 Call Sign : TBA
 Official No. : TBA
 Year Built : 2010
 Class : American Bureau of Shipping
 Notation : ✕ A1 E Offshore Support Vessel AH, Towing Vessel
 Fire Fighting Vessel Class 1 ✕ AMS ✕ DPS-2
 Type : Anchor Handling Tug Supply Vessel
 Class No. : TBA
 IMO No. : TBA
 Hull No. : MLC – 75085/6
 Flag : Malaysia
 Owner : Alam Maritim (L) Inc.
 Operator : Alam Maritim (M) Sdn Bhd



DIMENSION

Length Overall : 75.00 m
 Length Waterline : 76.91 m
 Length Between Perpendicular : 66.98 m
 Breadth Moulded : 17.00 m
 Depth Moulded : 8.00 m
 Draft Moulded : 5.50 m
 GRT : 2,150 MT (approx)
 NRT : 864 MT (approx)
 Deadweight : 2,500 MT @ 6.50 m draft (approx)

PERFORMANCE

Trial Speed : 15.5 knots
 Type of fuel : Marine Gas Oil

CARGO CAPACITIES

Deck Cargo : 800 MT
 Deck Strength : 7.5 MT / m² uniform loading
 Clear Deck Area : 540 m²
 Fuel Oil : 1000 m³
 Fresh Water : 600 m³
 Ballast/Drill Water : 1440 m³
 Freezer : 10 m³ (-18^o C temperature)
 Chiller : 10 m³ (+14^o C temperature)
 Foam : 15 m³
 Detergent : 15 m³
 Mud : 400 m³
 Cement Tank : 226 m³

PROPULSION SYSTEM

Main Engine : 2 x 6000 BHP
 Shaft Generator : 2 x 1,920 kW
 Auxiliary Generator : 2 x 380 kW
 Emergency Generator : 1 x 58 kW
 Bow Thrusters : 2 x 10 MT
 Stern Thruster : 1 x 10 MT
 Steering Gear : Electro-hydraulic type with twin screw arrangement
 Propulsion : 2 x CPP
 Rudders : 2 x High Flap Type

DECK EQUIPMENT

Windlass : 1 x electro-hyd for Ø 44 mm rated 12 MT @ 12 m/ min
 Anchor : 2 x 1850 kg High Hold Type Bow Anchor
 Anchor Chain : 467.5 m x 42 mm Ø port & stbd
 Capstan : 2 x 10 MT @ 25 m/ min
 Tugger Winch : 2 x 15 MT @ 32 m/ min
 Deck Crane : 1 x 3 MT @ 12.2 m

FIRE FIGHTING EQUIPMENT

External
 FiFi : Fire Fighting Class 1
 Fire pump : 2 x 1750 m³/hr
 Fire monitor : 2 x 1200 m³/hr @ 10 bar inlet pressure

Internal
 Fixed System in E/R: CO2 system in engine room
 Fire Detection System : All living space and Engine Room

OTHERS

Rescue Zone : Port & Stbd Main deck
 Water Maker : 2 x 5 T/ day

DP2 DYNAMIC POSITIONING SYSTEM

DP System : K-Pos DP-21 Kongsberg with basic system hardware;
 3 x Gyro Compass
 2 x Wind Sensor
 3 x Vertical/ Motion Reference Unit
 2 x Position Reference Unit (DGPS)
 1 x 500 A Gate Valve

TOWING & ANCHOR HANDLING EQUIPMENT

Bollard Pull : 150 MT
 Tow/ AH Winch : Double Drum Waterfall Type,
 Upper Drum – Ø 90 mm x 1500 m (Towing)
 Lower Drum – Ø 90 mm x 1500 m (Anchor Handling)
 Remote control from aft control stand in wheelhouse
 Tow/ AH Pull : 350 MT @ 6 m/ min – Low Speed
 (1st Layer) : 170 MT @ 12 m/ min – Mid Speed
 50 MT @ 40 m/ min – High Speed
 Braking Capacity : 450 MT
 Stern Roller : Ø 1.5 m x 5.0 m length, SWL 500 MT
 Shark Jaws : 1 x Karm Fork 300 MT SWL
 Tow Pins : 1 x electro-hyd Karmoy, SWL 160 MT

DISCHARGE RATES

Fuel Oil : 1 x 150 m³/ hr @ 75 m head
 Fresh Water : 1 x 150 m³/ hr @ 75 m head
 Mud Pump : 2 x 100 m³/ hr @ 24 bar head pressure
 Drill Water Pump : 1 x 100 m³/ hr @ 75 m head
 Bulk Cement : 10 m³/ hr @ 29 m head

NAVIGATIONAL /COMMUNICATION

GMDSS : Sea Area A3
 MF/HF : 1 x
 SART : 2 sets
 Inmarsat C : 2 sets
 EPIRB : 1 set
 Portable VHF Radio: 3 sets
 Navtex Receiver : 1 set
 Radar : 2 units
 Echo Sounder : 1 set
 GPS Navigator : 1 set
 Gyrocompass : 3 sets
 Autopilot : 1 unit
 Weather Fax : 1 unit
 Speed Log : 1 set
 Magnetic Compass : 1 unit
 AIS : 1 unit

ACCOMMODATIONS

Berths : 8 x 1 berth cabin = 8
 11 x 2 berth cabin = 22
 5 x 4 berth cabin = 20
 Total : 50
 Hospital : 1 x 1 berth cabin
 All cabins are fully air-conditioned

LIFE SAVING APPLIANCE

Search Lights : 4 x 2000 W Aqua Signal (Illuminate up to 250 m)
 Floodlights : 6 x 1000 W (Sodium Halogen Type)
 Life rafts : 6 sets
 Lifebuoys : 8 pcs with buoy lights
 Life jackets : 50 SOLAS Type as required by Regulation
 Immersion Suit : 48 pcs
 Rescue boat : 1 x 6 men c/w 25 hp motor and davit launching
 Parachute Distress : 12 Units, SOLAS Type
 Emergency Escape : 8 sets with containers
 Breathing Device

