



Owner / Operator of Barges & Offshore Vessels

ABN NO: 80 072 693 639

## A.M.S. Orion

### 16m 1200bhp Damen Stan Tug



#### GENERAL DATA

Registry : Singapore  
 Delivery : Mar 2011  
 Official No. : 396728  
 Call Sign : 9V9170  
 Length : 16.56M  
 Beam : 5.54M  
 Depth at sides : 2.54M  
 Draft Aft : 2.23M  
 Displacement : 91 tonnes  
 Classification : Bureau Veritas I + Mach Tug Coastal Area

#### TANK CAPACITIES

Fuel Oil : 14.2M<sup>3</sup>  
 Fresh Water : 1.1M<sup>3</sup>  
 Sewage : 0.7M<sup>3</sup>  
 Sludge/Bilge Water: 0.5M<sup>3</sup>

#### PERFORMANCE TRIALS

Bollard Pull : 16.4 tonnes  
 Speed : 11.1 knots

#### LIFE SAVING EQUIPMENT/ACCOMMODATION

Anchor : 2 x 80kg Pool (HPP)  
 25 ton Anchor Winch : EMCE; Electrical 1 anchor  
 Towing Hook : Mampaey disc type 250kN  
 Push Bow : Cylindrical rubber fender; 380mm  
 Deck Crane : Heila HLM 3-2S, 0.5T @ 6.9M  
 Coupling Winches : 2 x manual 25mT holding power

#### NAVIGATION/COMMUNICATION EQUIPT.

Radar : Furuno FR-8062  
 Magnetic Compass : Cassens & Plath Kotter Type  
 GPS : Furuno GP-32  
 VHF Radio Telephone : Sailor RT 2048  
 Echo Sounder : Furuno LS 6100  
 AIS : Furuno FA-150

#### ENGINE ROOM

Main Engines : 2 X Caterpillar C18 TA / B  
 Total Power : 896kW (1200bhp)@1800rpm  
 Gearboxes : 2 X Reintjes WAF 264L 4.5:1  
 Propellers : 2 X Kaplan II FPP  
 Nozzles : 2 X 1350mm Van de Giessen "Optima" with st.st. innerings  
 Steering Gear : Powered hydraulic 2 x 45deg. w/ Rudder Indicator  
 Generator Sets : Caterpillar C2.2 NA, 230/400V, 20.3kVA, 50Hz  
 Bilge/GS Pump : Elec. Driven, Sterling SIHI VWSI 5013, 15 m<sup>3</sup>/hr  
 Fresh Water Heater : 230V, 30 litres capacity  
 Ventilation Engine Room : SALOR HU-50; Mechanical  
 Alarm System : Eng., Gearbox + Bilge, Fire

#### DECK MACHINERY

Life raft : Zodiac 6 person Coastal  
 Accommodation : 4 Berths; Air-conditioned  
*All Lifesaving Equipments to adhere to Local State Marine Authorities Regulations*

\*Particulars given herein are without warranty as to accuracy and interested parties must satisfy themselves by inspection or other means of detail of the vessel\*

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