

MV SEA PRINCESS



40 M ANCHOR HANDLING TOWING TUG, 1/2 FIFI

GENERAL

Year of Build / Place	: 2011
Official No.	: 11098
Call Sign	: J854625
Flag	: St. Vincent and the Grenadines
Class	: Bureau Veritas
Class Notation	: HULL-MACH-TUG, Unrestricted Navigation
GRT / NRT	: 499 / 199

DIMENSIONS

Length O.A.	: 40.00 m
Length W.L.	: 38.00 m
Breadth Moulded	: 11.40 m
Depth Moulded	: 4.95 m
Max. Draft	: 4.40 m
Deadweight	: 360 tons

MACHINERY

Main Engine	: 2 x Mitsubishi S16R - MPTK 1850 BHP @ 1650 rpm x 2, Total 3700
Propulsion System	: 4 bladed manganese bronze fixed pitch propellers with nozzles
Generating System	: 2 x caterpillar C9, 175 EKw diesel driven, 415/3/50 hz.
Bow Thruster	: 1 x Kamome 261 kw diesel driven by Volvo D7C-TA Engine, 3 tons thrust

CAPACITIES / DISCHARGE RATES

Fuel Oil	: 306 m3	30 m3/hr @ 30m head
Fresh Water	: 176 m3	30 m3/hr @ 30m head
Freezer / Chiller	: Available	
Clear Deck Area	: 150 m2	

PERFORMANCE

Trial Speed	: 12.0 knots
Bollard Pull	: 45 tonnes @ 100 % MCR
Endurance	: Approx. 35 days

OTHERS

Sewage Treatment Plant	: SOLAS Approved suitable for 16 men
Rescue Boat	: 6 man rigid inflatable rescue boat SOLAS Approved
Rescue Boat Davit	: For 6 man rescue boat, SOLAS Approved

ANCHOR HANDLING TOWING EQUIPMENT

AH/Towing	: 1 x hydraulic double drum waterfall type
Winch	: 1 x 75 tonnes @ 5 m/min (low speed), 15 tonnes @ 2m/min (high speed), 150 tons brake holding power Towing Drum : 1000 mm x 52 mm AH Drum : 200 mm x 52 mm
Strong Jaws	: ME 200 TSJ/200 TP, 200 tons
Towing Pin	: 200 tons
Stern Roller	: 4.5 m x 1.6 m, SWL 150 tons

ACCOMMODATION

Total Accommodation	: 16 men including crew
Cabin Details	: 2 x 1 man, 3 x 2 man, 2 x 4 man

EXTERNAL FIRE FIGHTING

Fire Pump	: 1 seawater pump, 1200 m3/hr driven by independent Volvo D16-MH Engine 551 kw @ 1900 rpm
Monitors	: 2 x 600 m3/hr, joystick controlled from wheelhouse and capable of turning through 360 degrees and jets prevented from impinging on ship's Structure
Emergency Fire Pump	: 1 x Azcue portable diesel driven, 25 m3/hr @ 30 m head

DECK MACHINERY EQUIPMENT

Windlass	: 1 electro hydraulic anchor windlass / mooring drum with 2 cable lifter and 2 warping drum, 4 tonnes @ 12 m/min
Anchors	: 2 stockless bow anchor each 650 kg
Anchor Chain	: 2 x 220 m x 22 mm dia / grade 2 U2 stud link chain
Tugger Winch	: 1 x 5 tons @ 15m/min
Capstans	: 2 x 5 tons @ 10m/min

COMMUNICATION & NAVIGATION EQUIPMENT

Radars	: 1 x JRC JMA-5212-G : 1 X Furono 1942
Echo Sounder	: 1 X JRC JFE - 380
GPS	: 1 x JRC NWZ 4740
Magnetic Compass	: 1 x Daiko SR 150 PK & one spare magnetic compass bowl
Gyro Compass	: 1 x Yokogawa CMZ-900 B
Autopilot	: 1 x TMQ AP9, interface with Gyro
AIS	: 1 x JRC JHS - 182 AIS
Speed Log	: 1 x JRC JLN-205
Anemometer	: 1 x Walker P1249
GMDSS	: Covering Area A1 + A2 + A3
MF/HF	: 1 x JRC MF/HF JSB 1969 GM
VHF-DSC Radio Telephone:	2 x JRC JHS-770 S
SART	: 1 x ACR Pathfinder 9 GHz. : 1 x McMurdo S4
EPIRB	: 1 x GME 406/121.5 MHz.
Navtex Receiver	: 1 x JRC NCR - 333
VHF Radio Portable	: 2 x ACR SR-103 Waterproof GMDSS Portable 2 way VHF
Inmarsat-C	: 1 x JRC JUE-85
TVRO	: KNS S6
BNWAS	: SAM Electronics