



IEVOLI SAPPHIRE

PSV IEVOLI SAPPHIRE - MMC 879 CP

THE VESSEL IS EQUIPPED AND FITTED FOR THE FOLLOWING CONTINGENCY SERVICES:

- FIRE FIGHTING
- MOB OPERATIONS
- SUPPLY DUTIES
- RESEARCH SHIP
- UNDERWATER ACTIVITIES

MAIN DESCRIPTION

Year Built : Delivery October 2013
 Vessel built : Selah Shipyard – Tuzla (Turkey)
 Type : Standby Platform Supply Vessel / FiFi 1 / DP2
 Classification : **ABS** - A1 (E) Offshore Support Vessel,
 AMS, ACCU, DPS-2, FFV Class 1,
 ENVIRO, UWILD, GP, OIL RECOVERY
 CAPABILITY Class 2
 Additional Notes : SPS Code – Resolution MSC.266(84)
 Port of registry : TBA
 Flag : Italian
 Call Sign : TBA
 IMO Nr. : 9658111
 Regulations : ABS, COLREG, Load Line, SOLAS Certificates,
 Tonnage Certificate, Marpol Annex I,II,IV,V,
 VI, IMO A493-494, IMO A749 (18), IMO 673
 (16), IMO A325, ISPS Code, MSC 645, MSC
 664, MSC 235 (82)

MAIN PARTICULARS

Design : MMC 879 CP
 LOA : 79,45 m
 Length PP : 76,10 m
 Breath Moulded : 16,80 m
 Depth Moulded : 7,40 m
 Summer Draft : 6,00 m
 Gross tonnage : TBC
 Net tonnage : TBC

PERFORMANCE

Trial Speed : 14,00 Knots
 At 100% : 920 Kg/h (approx)
 At 85% : 765 Kg/h (approx)
 At Economical Speed : 350 Kg/h (approx)
 Port consumption : 1 m³/day (approx)
 Type of Fuel : M.G.O.

CAPACITIES

Dead weight : 4000 t (approx)
 Gross Tonnage : TBC
 Net Tonnage : TBC
 Deck cargo : 1400 Tonn
 Cargo deck dimensions : 58,60 x 14,00 m
 Deck area : 820 m²
 Deck strength : 05 t/ m²
 Freezer Room : Available
 Cooler Room : Available
 Tank washing : Available
 Agitator LM Tanks System : Available
 Sewage Treatment Unit : Available

DECK EQUIPMENT

Capstans : 2 x 10 t
 Tugger Winches : 2 x 10 t
 Deck Crane : 2 t @ 10mt
 Fast Rescue Craft : TBA

CARGO CAPACITIES - Preliminary

Water Ballast / Drill Water : 1380 m³
 Cargo Fresh water / Potable Water : 910 m³
 Fuel Oil : 952 m³ / Max 1483 m³
 Liquid Mud : 1062 m³
 Brine : 531 m³
 Dry Bulk : 231 m³
 Recovered Oil : 265 m³
 Methanol : 202 m³
 Base Oil : 531 m³
 Inert Gas System : Fitted
 Cargo and Ballast Monitoring System : IAS - Fitted

CARGO PUMPS - Preliminary

Drill water : 200 m³/h at 9 Bar
 Potable water : 200 m³/h at 9 Bar
 Fuel oil : 200 m³/h at 9 Bar
 Base Oil : 200 m³/h at 9 Bar
 Liquid mud / Brine : 2 x 75 m³/h at 14 Bar
 Methanol : 75 m³/h at 9 Bar

DRY CARGO CAPACITIES - Preliminary

4 pressure tanks for bulk : 552 t
 cement/barite : 231 m³
 Compressor capacity : 1278 m³/h
 Work pressure : 6,0 bar
 Discharging capacity : 2 x 100 t/h at 90 m head
 Pipe and manifold : 2 x 5" Weco

PIPE LINE CONNECTIONS

Dry Bulk : 5" Hammer Lug Union (Weco) Male
 Liquid Mud : 5" Avery Hardoll Male
 Fuel oil : 5" Avery Hardoll Male
 Potable Water : 4" Hammer Lug Union (Weco) Male
 Ballast Drill Water : 4" Hammer Lug Union (Weco) Male
 Methanol : 4" Avery Hardoll Male
 Reducers Connections : 4" and 5" for each connection type

ENGINE AND PROPULSION

Main engines Power : 2 x 2500 Kw / 2 x 3440 Bhp
 Gear : 2 Main Gear
 Propellers : Dia. 3000mm
 Variable pitch in fixed nozzels
 Tunnel thruster : - 2 Tunnel Bow Thruster
 2 x 800 Kw / 1070 Bhp
 - 2 Tunnel Stern Thruster
 2 x 600 Kw / 800 Bhp
 Steering gear : 2 x High lift profile rudder blades
 2 x Electro independent hydraulic system
 2 x Hydraulic Power Pack

AUXILIARY ENGINES

Shaft Generators : 2 x 1400 Kw
 Diesel Generators : 3 x 585 Kw
 Emergency generator : 1 x 200 Kw

DP SYSTEM

DP Class : II
 DP Type : Kongsberg
 Gyro Compass : 3 Navigat X Mk1
 Position Reference Units : 2 x DGPS + 3 Wind Sensor
 Laser Reference : 1 x Cyscan Mk4
 Acoustic Reference : HiPap Trunk fitted
 Hypap 500 Predisposition
 Motion Reference : 2 x MRU
 ERN : TBA

MANOEUVRING

Joystick : Fully Integrated, serviceable from various
 wheelhouse positions + 1 portable

NAVIGATION EQUIPMENT

1 x Radar, JRC JMA-5300 ARPA X-band
 1 x Radar, JRC JMA-5300 ARPA S-band
 2 x high resolution color display, radar plotter 19"
 1 x Radar repeater (slave radar) at aft wheelhouse console
 1 x DGPS JRC JLR 7800
 1 x Navtex JRC
 1 x Echo Sounder JRC
 1 x Speed Log
 1 x AIS JRC A-Class
 1 x Gyro Compasses Yokokawa
 1 x Magnetic Compass Plath
 1 x Autopilot Kongsberg
 1 x Doppler Log - Off Course Alarm
 1 x BNWAS/1 Navitron
 1 x Voyage Data recorder

CCTV coverage for all key areas with display at Wheelhouse and ECR

COMMUNICATION EQUIPMENT

GMDSS Station Area A1+A2+A3
 - 1 MF/HF JRC DSC + ATIS
 - 2 VHF DSC JRC
 - 3 Emergency VHF Jotron Tron
 - 2 Inmarsat C JRC JUE-85
 - 1 Inmarsat C SSAS Sailor
 - 1 Radio telex
 - 1 EPIRB Jotron Tron
 - 2 SART Jotron Tron
 - 1 Fleet Broadband 500 data/fax/mail transfer
 - 1 Public Address System

ACCOMODATION

Type of cabins	No. of cabins	No. Of berths
1 man cabins	6	6
2 man cabins	12	24
Hospital / Dispensary	1	2
Total number of bunks	18 + 1	30 + 2
Recreation Rooms	: Gym, Day room Lounge, Smoking Room	
Ship's Office	: Fitted	
Sky Lobby	: Fitted	

FIRE FIGHTING

Fifi, class I

The fire fighting system consists of the following main components:

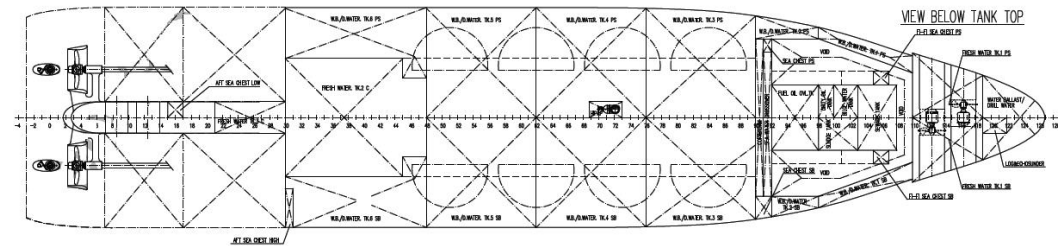
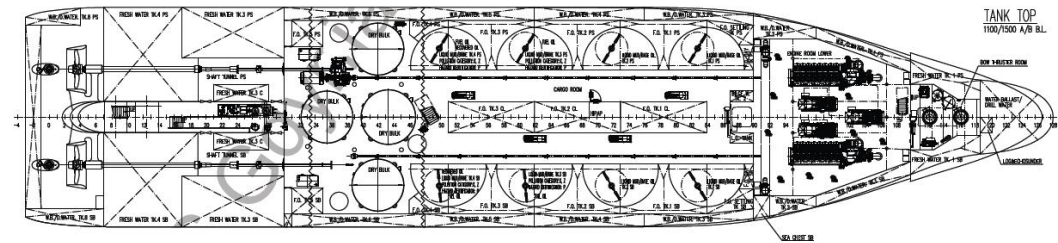
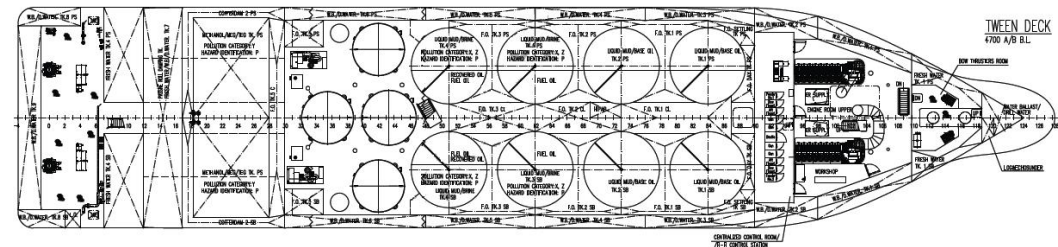
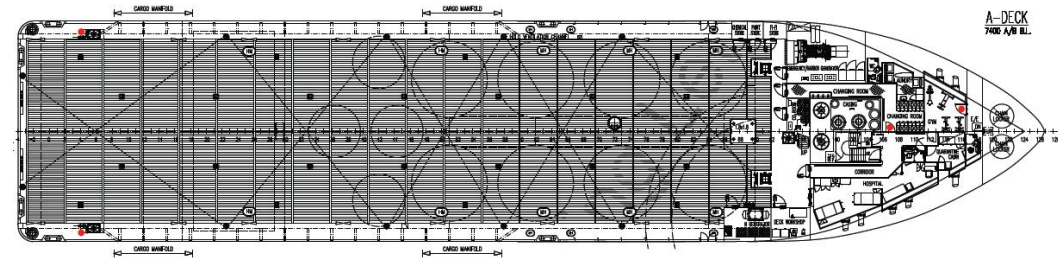
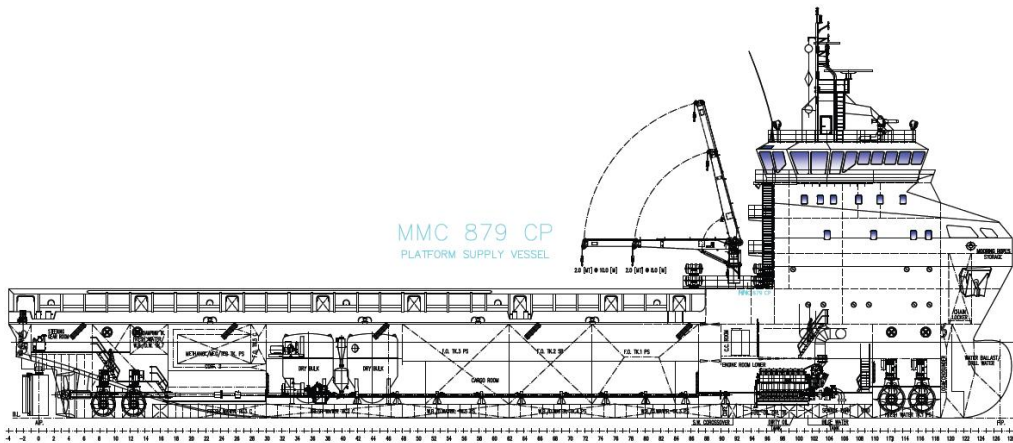
- 2 off fire-fighting centrifugal pumps FFS SPF250x350HD
 capacity: 1742 m³/h head: 11,8 mlc 1800 rpm / 790 Kw
- 2 single/dual flow monitors FFS 1200/300LB
 joystick controlled from bridge
 capacity: 1200 m³/h - 10,0 bar
 throw length – capacity full : 120 m
 throw length – capacity reduced : 75 m
- 1 foam pump DPVSF 18-100
 18 m³/h - 18,5 Kw head: 185 mlc 3420 rpm
- 2 fog monitors for own protection type ABS
 Water spray system with standard tug nozzles
 1061 m³/h at 7,8 bar

RESCUE AND LIFESAVING EQUIPMENT

- 1 x Fast Rescue Boat
- 4 x Liferafts
- 2 x Search Light remotely controlled from bridge
- 6 x Lifebuoys provided with strobe lights and lifelines
- 1 x Hospital with treatment bench, racks for stretchers,
 Desk, medicine, poison locker
- 1x Dispensary with medical equipments / medicine in accordance
 with Flag's State and International requirements

This specification is subject to alteration without prior notice

Ievoli Sapphire – MMC 879 CP Design Platform Supply Vessel



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