

# WORLD OPAL

is a Platform Supply Vessel of the design DAMEN PSV 3300 CD

## THE SHIPS MAIN PARTICULARS



### GENERAL

Yard	Damen Shipyards Galati, Romania
Delivery date	December 2013
Basic functions	The vessel is a versatile PSV according to latest standards. The vessel has optional fire fighting capability and is prepared for oil recovery operations
Classifications	Lloyd's Register 100A1 Offshore Supply Ship, SG 2.8 (MUD tanks) * IWS. EP (I, O, P) • WDL (5 Um2 Aft to fr 75) olj LMC, UMS, DP (AA), NAV1, IBS, CAC 3. The vessel is designed in compliance with DNV Clean Design. Descriptive Note: Green Passport
Flag	Norwegian (NIS)

### DIMENSIONS

Length o.a.	80.03 m
Length b.p.p.	74.75 m
Beam mld.	16.20 m
Depth mld.	7.50 m
Draught summer	6.15 m
Deadweight (summer)	3500 t
Cargo deck area	728 m <sup>2</sup>
Deck load (at 1 m above deck)	1520 t
Gross tonnage	3832 GT
Net tonnage	1516 NT

### TANK CAPACITIES

Ballast/drill water	1460 m <sup>3</sup>
Anti-roll tanks	219 m <sup>3</sup>
Fuel oil (service)	454 m <sup>3</sup>
Potable water	817 m <sup>3</sup>
Fuel oil/base oil	869/843 m <sup>3</sup>
Liquid mud/brine	869 m <sup>3</sup>
Dry bulk	259 m <sup>3</sup>
Recovery oil	1503 m <sup>3</sup>

### PERFORMANCES

Speed at 5.0 m draught	13.7 kn
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### PROPULSION SYSTEM

Main engines	Diesel-Electric, 690 V, 60 Hz
Propulsion power	2 x 1500 ekW
Propellers	2 x 2300 mm, FPP, Azimuth in nozzle
Bow thrusters	2 x 735 ekW, 1740 mm, FPP

### AUXILIARY EQUIPMENT

Main generator sets	2 x CAT 3512C, each 1380 ekW at 1800 rpm 2 x CAT C32, each 944 ekW at 1800 rpm
Emerg./ harbour generator set	1 x CAT C-09, 238 ekW at 1800 rpm
Waste heat recovery	On HT cooling water system of each main generator
Exhaust gas cleaning	Selective Catalytic Reduction systems on all main generator engines for effective NOx reduction
Ballast water	Ballast water treatment system

### DECK LAY-OUT

Anchor mooring winch	1 x electric-hydraulic, each with warping head and mooring rope drum
Capstans	2 x each 5 t pull
Deck crane	1 x 1.5 t at 16 m (harbour)
Tugger winch	2 x each 10 t pull

### CARGO HANDLING SYSTEM

Fuel oil/base oil pumps	2 x 150 m <sup>3</sup> /hr at 90 m head
Fresh water pumps	2 x 150 m <sup>3</sup> /hr at 90 m head
Drill water pumps	2 x 150 m <sup>3</sup> /hr at 90 m head
Liquid mud/brine pumps	2 x 75 m <sup>3</sup> /hr at 85 m head
Dry bulk compressor	2 x 75 t/hr at 80 m head
Fire fighting (optional)	2400 m <sup>3</sup> /hr + water spray system

### ACCOMMODATION

Cabins	16 single 3 double
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### NAUTICAL AND COMMUNICATION EQUIPMENT

Nautical	a.o. radar X-band, radar S-band, ECDIS
Communication	GMDSS A3
Accommodation	Provided with internet, telephone and satellite TV

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