

WORLD EMERALD

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

THE SHIPS MAIN PARTICULARS



GENERAL

| | |
|-----------------|--|
| Yard | Damen Shipyards Galati, Romania |
| Delivery date | October 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 ² |
| Deck load (at 1 m above deck) | 1520 t |
| Gross tonnage | 3832 GT |
| Net tonnage | 1516 NT |

TANK CAPACITIES

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

PERFORMANCES

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| Speed at 5.0 m draught | 13.7 kn |
|------------------------|---------|

PROPULSION SYSTEM

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|------------------|-------------------------------------|
| 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

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|-------------------------------|---|
| 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

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

ACCOMMODATION

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|--------|-----------------------|
| Cabins | 16 single 3 double |
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NAUTICAL AND COMMUNICATION EQUIPMENT

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|---------------|--|
| 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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