OFFSHORE CARRIER 7500 CLV
“NEXUS”

GENERAL
Yard number 553014
Delivery date December 2014
Basic functions Damen Offshore Carrier with 5000 ton cable laying installation
Descriptive note “Cable Layer”
Flag Dutch Flag
Owner Van Oord

DIMENSIONS
Length overall 122.75 m
Length B.P.P 116.15 m
Beam moulded 27.45 m
Depth main deck at side 9.00 m
Draught (Summer) 5.82 m
Deadweight 8,270 t
Gross Tonnage 9,675 GT

TANK CAPACITIES APPROX.
Fuel MGO 1,788 m³ (incl. settling and day tanks)
Potable water 187 m³
Ballast (sea) water 8,347 m³
Ballast (fresh) water 4,544 m³
Lubrication oil 32 m³
Dirty oil 20 m³
Sludge 20 m³
Sewage 330 m³
Cooling water drain 14 m³
Bilge water collecting 62 m³
Drain water tanks main deck 2x 32 m³

PERFORMANCES
Trial speed at summer draft 11.6 kn
@4200 kW

PROPELLUTION SYSTEM
Main generators 2 x MAK 8M25 (each 2,560 kW) & 2 x MAK 6M25 (each 1,912 kW)
Thrusters 2 x 2,100 kW azimuth, diameter 2,650 mm with 4 bladed FPP
Bow thrusters 2 x 1,000 kW tunnel thruster, diameter 2,250 mm with 4 bladed FPP
1 x 1,000 kW retractable azimuth, diameter 2100 mm with 4 bladed FPP

NAUTICAL AND COMMUNICATION EQUIPMENT
Radio equipment is according to GMDSS for area A3

AUXILIARY EQUIPMENT
1 diesel generator set, 1500 kVA - 1200 kW @ 60 Hz
1 emergency generator set, 136 kVA – 170 kW @ 60 Hz
1 thermal water boiler in combination with waste heat recovery
2 self-cleaning purifier units MGO
4 self-cleaning purifier units for LO
1 sewage treatment plant
1 ballast water treatment plant 750 m³/h
2 fresh water generators
2 starting air compressors
1 bilge water separator
1 NOVEC and water mist firefighting system for engine room
4 ballast pumps in the cargo area each 1000 m³/h
4 general service pumps each 100 m³/h

DECK LAY-OUT AND EQUIPMENT
1 knuckle boom 100 ton @ 20 m
1 stiff boom crane 4.5 ton @ 20 m
1 basket carousel cable laying installation for 5,000t load
1 small moonpool (1.5 x 1.3 m)
1 large moonpool (5.4 x 5.4 m)
1 support for A-frame

DECK EQUIPMENT
1 electric-hydraulic driven bow anchor winches
2 electric-hydraulic driven aft mooring winches
2 life boats, each 45 persons

ACCOMMODATION
For captain, officers, crew and SPS for a total of 90 persons