



1998 / 113.6 M / DP-3 DIVING SUPPORT / MULTI-PURPOSE OFFSHORE CONSTRUCTION VESSEL

| GENERAL | |
|----------------------|---|
| VESSEL NAME : | <i>TBD</i> |
| FLAG : | <i>TBD</i> |
| BUILDER / YEAR : | <i>VAN DER GEIESSEN / 1998</i> |
| CLASS : | <i>DET NORSKE VERITAS. +1st, EO, SF, DYNPOS AUTRO, DSV – SAT. COMPLIANCE WITH MODU CODE AND MOU REGULATIONS.</i> |
| GROSS TONNAGE : | <i>6, 948.</i> |
| NET TONNAGE : | <i>2, 085.</i> |
| DEADWEIGHT (SUMMER): | <i>6, 350 TONNES</i> |

| DIMENSIONS | |
|--------------------|------------------|
| LENGTH OA: | <i>113.57 M.</i> |
| BREADTH MLD : | <i>22.00 M.</i> |
| DRAUGHT (SUMMER) : | <i>6.75 M.</i> |

| PERFORMANCE | |
|-----------------|----------------------------|
| SERVICE SPEED : | <i>ABT. 10 - 11 KNOTS.</i> |

| TANK CAPACITIES APPROX. AT 100% | |
|---------------------------------|-------------------|
| FUEL OIL : | <i>1, 276 M3.</i> |
| POTABLE WATER : | <i>454.00 M3</i> |

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CARGO AREAS

WORKING DECK DIMS : 41.5 M X 20.0 M (ABT.) = 320 M2 (ABT.).

DECK STRENGTH : 5 TONNES / M2.

DECK LOAD : 3, 000 TONNES (ABT.).

TWO CAROUSELS INSTALLED BELOW MAIN DECK (IN HOLD) EACH WITH A MAXIMUM CAPACITY OF 1, 200 OF PRODUCT.

THE CAROUSELS CAN STOW PRODUCTS FROM 100 TO 600 MM DIAM.

MAIN DECK CAPABLE OF CARRIAGE OF VERTICAL DECK MOUNTED REELS.

DIVE SYSTEM

THE VESSEL IS FITTED WITH THE TRANSFERABLE PENELOPE DIVE SYSTEM.

CAPACITY : 14 PERSON SYSTEM.

DEPTH RATING : 300 M.

BELL CHAMBERS : 1 X 3 PERSON.

CHAMBERS : 2 X 4 PERSON & 1 X 6 PERSON PLUS TUP.

HYPERBARIC LIFEBOAT : 1 X 14 MAN SPHL.

MIXED GAS STORAGE : 12, 800 M3.

MOONPOOL : 4.0 M X 4.0 M (REDUCED BY CURSOR GUIDES AND INTERNAL BAFFLE STRUCTURES)

DIVER GAS RECLAIM SYSTEM

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DECK MACHINERY

MAIN DECK CRANE IS FITTED WITH ACTIVE HEAVE COMPENSATION WITH THE FOLLOWING DUTIES:

MAIN HOIST (OFFSHORE) : UP TO 150T AT 13 M.

MAIN HOIST (HARBOUR ONLY) : 250T AT 13 M.

AUX HOIST : 15T AT 37 M.

WORKING DEPTH ~ 1,200M SINGLE FALL (SUBJECT TO WIRE LENGTH)

SECONDARY DECK CRANE

OFFSHORE : UP TO 30T AT 15 M.

HARBOUR ONLY : 15T AT 23 M.

WORKING DEPTH ~ 300 M SINGLE FALL (SUBJECT TO WIRE LENGTH)



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DYNAMIC POSITIONING SYSTEM CLASS 3

DP3 SYSTEM COMPRISES TWO MAIN CONTROL SYSTEMS WITHIN THE WHEELHOUSE WITH FURTHER INDEPENDENT CONTROL COMPUTER / POSITION WITHIN THE EMERGENCY CONTROL CENTRE. INDEPENDENT REFERENCES / SENSORS LEAD TO THIS STATION BY SEPARATE CABLING FOR MAXIMUM REDUNDANCY.

DP / JOYSTICK CONTROL : *IMO CLASS 3 DP SYSTEM - KONGSBERG.
K - POS DP - 21.*

REFERENCES : *DGPS.
FAN BEAM.
TAUT WIRE.
KONGSBERG HIPAP.
SONADYNE (POLE, TRANSDUCER AND CABLING).
FAN BEAM.
THREE GYRO COMPASSES.
THREE WIND SENSORS.
THREE MOTION REF. UNITS.*

COMPLIANCE STANDARDS : *DNV DYNPOS AUTRO.
NMD CLASS 3.
IMO DP - EQUIPMENT **CLASS 3.***

MAIN MACHINERY

DIESEL ELECTRIC INSTALLATION COMPRISING - FOUR OFF WÄRTSILÄ 9L26 DIESEL.

*ENGINES EACH DRIVING AN ALTERNATOR AND EACH PRODUCING 2680 KW AT
660V 3 PH. 60 HZ.*

HARBOUR SET 750 KW.

EMERGENCY GENERATOR 150 KW.

DEDICATED DIVE SYSTEM EMERGENCY GENERATOR 580 KW.

THRUSTERS

STERN : *TWO OFF 2,200 KW FULLY AZIMUTHING THRUSTERS WITH
FIXED PITCH PROPELLERS DRIVEN BY VARIABLE SPEED
MOTORS.*

BOW : *THREE OF 1, 335 KW VARIABLE PITCH TUNNEL
THRUSTERS.*

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STABILISATION

INTERING ACTIVE ROLL REDUCTION SYSTEM.

HELIDECK

*D VALUE OF 19.5 M AND MAX GROSS WEIGHT OF 9.2 MT.
HELI - RECEPTION ROOM AND FULL EMERGENCY EQUIPMENT.*

ACCOMMODATION

*WHEELHOUSE AND ACCOMMODATION FULLY AIR CONDITIONED FOR UP TO 166
PERSONS IN 1,2 & 4 BERTH EN - SUITE CABINS.*

HOSPITAL

GYMNASIUM

CHARTERER'S SPACE INCLUDE OPERATIONS ROOM AND SURVEY AREAS.

REDUNDANCY FEATURES

MAIN MACHINERY INSTALLED IN TWO SEPARATE ENGINE ROOMS.

*TWO SWITCHBOARDS EACH IN SEPARATE COMPARTMENTS. EACH MAIN PROPULSION
THRUSTER AND EACH TUNNEL THRUSTER IS LOCATED IN A SEPARATE WATERLIGHT
COMPARTMENT.*

*ALL POWER, CONTROL CABLING AND PIPEWORK LEAD INDEPENDENTLY TO THE
RELEVANT THRUSTER / MOTOR / CONTROL EQUIP.*

*THE VESSEL MAY BE COMMANDED FROM AN EMERGENCY CONTROL CENTRE LOCATED
ONE DECK BELOW THE WHEELHOUSE AND PROTECTED BY FIRE RESISTANT
BOUNDARIES.*

AFT MOONPOOL

*ABOUT 5.60 M X 5.60 M CLEAR OPENING FOR CHARTERER'S OPERATIONS INCLUDING:
ROV OPERATIONS, SUBSEA WELL INTERVENTION, CONSTRUCTION/DEPLOYMENT
WORKOVER, SLIM - HOLE DRILLING ETC.*

THE MOONPOOL IS CURRENTLY FITTED WITH A DROP OUT PLUG AND DECK COVER.

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