24.000 tdw

# MT „AURELIA“

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|---|---|
| Ship Type: | C/O-Tanker |
| Deadweight: | 24,017 tons |
| Built | 2006 |
| Coating | Epoxy |
| Ship Class: | DNVGL |
| Length over all: | 168 m |
| Breadth: | 26.40 m |
| Draft: | 9.02 m |

## 1. Reiter General Information, Engines and Nautical Equipment:

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|---|---|
| Class Notation: | DNV +100 A5 E2 Chemical tanker Type 2 Oil tanker ERS ESP IW MC E2 AUT Inert RP(1, 43%) |
| IMO: | 2 |
| IMO Number: | 9327102 |
| Double Hull: | yes |
| Ice Class | E2/1B |
| Speed max: | abt. 14.5 knots |
| Callsign: | DDNW |
| GT: | 16,913 |
| Reduced GT : | 13,310 |
| NT: | 6,395 |
| Flag: | Germany |
| **Main Engine:** | MaK 6M32C, 3000 KW, 600 rpm and MaK 8M32C, 4000 KW, 600 rpm<br>Total: 7000 KW<br>RENK Gear Box Type NDSHL-2800 |
| Scrubber: | Bilfinger Hybrid Exhaust Gas Scrubber System with zero discharge option for high environmental performance |
| Controllable Pitch Propeller | SCHOTTEL Type SCP-1414 XW, Propeller speed 127 rpm |
| **Auxiliary Engines:** | 2 MAN 6L23/30H MCR 1,020 KW / 900 rpm<br>1 Shaft Generator 1,500 KVA<br>1 Uljanik emergency genset |
| **Bowthruster:** | SCHOTTEL STT-3CP, 800 KW / 1,770 rpm |
| **Nautical Equipment:** | • SAM Electronics Integrated Bridge System<br>• VSAT<br>• Rutter SVDR<br>• C. Plath Gyro |

## 2. Reiter Tank Plan, Cargo Tanks, Pumps, Cargo Manifolds and Ballast Tanks:

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|---|---|
| Number of Cargo Tanks: | 12 cargo tanks +2 slop tanks + 1 retention tank, with following max density:<br>1,2,4,6, slop + retention density 1.025 t/m³, tanks 3 and 5 1.20 t/m³ |
| Tank Coating: | Epoxy Interline 904 |
| Number & Capacity submerged cargo of Cargo Pumps: | 12 MARFLEX cargo pumps type MDPD 150 each 350 m³/h at 110 mlc, s.g. 0.8 – 1.0 cSt<br>3 MARFLEX slop/residual pumps, type: MDPD 80 each 100 m³/h at 110 mlc, s.g. 0.8 – 1.0 cSt |
| **Max Loading Rate:** | **2,400 m³/h** |
| **Max Discharge Rate:** | **2,100 m³/h** |
| Max Loadable/Maintainable Temperature: | 78 degC / 66 degC |
| **Inert Gas System Generator** | **3,750 m³/h** |
| **Bunker Tanks Capacity:** | **abt. 1,000 cbm (all grades)** |

| Cargo Capacities | Capacities of Cargo Tanks: | Volume (98 %) in m³ |
|---|---|---|
| | No. 1 P + S | 3,810 m³ |
| | No. 2 P + S | 4,737 m³ |
| | No. 3 P + S | 4,936 m³ |
| | No. 4 P + S | 5,592 m³ |
| | No. 5 P + S | 3,222 m³ |
| | No. 6 P + S | 5,843 m³ |
| | Sloptanks P + S | 532 m³ |
| | Total (98%) | 28,672 m³ |