

24.000 tdw

## MT „AVALON“



Ship Type: C/O-Tanker  
Deadweight: 24,035 tons  
Built: 2005  
Coating: Epoxy  
Ship Class: DNV  
Length over all: 168 m  
Breadth: 26.40 m  
Draft: 9.02 m

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

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: 9327097  
Double Hull: yes  
Ice Class: E2/1B  
Speed max: abt. 14.5 knots  
Callsign: DEKL  
GT: 16,683  
Reduced GT : 13,080  
NT : 6,399  
Flag: Germany

**Main Engine:** MaK 6M32C, 3000 KW, 600 rpm and MaK 8M32C, 4000 KW, 600 rpm  
Total: 7000 KW  
RENK Gear Box Type NDSHL-2800

Controllable Pitch Propeller: SCHOTTEL Type SCP-1414 XW, Propeller speed 127 rpm

**Auxiliary Engines:** 2 MAN 6L23/30H MCR 1,020 KW / 900 rpm  
1 Shaft Generator 1,500 KVA  
1 Uljanik emergency genset

**Bowthruster:** SCHOTTEL STT-3CP, 800 KW / 1,770 rpm

**Nautical Equipment:**

- SAM Electronics Integrated Bridge System
- VSAT
- Rutter SVDR
- C. Plath Gyro

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

Number of Cargo Tanks: 12 cargo tanks +2 slop tanks + 1 retention tank, with following max density:  
1,2,4,6, slop + retention density 1.025 t/m<sup>3</sup>, tanks 3 and 5 1.20 t/m<sup>3</sup>

Tank Coating: Epoxy Interline 904

Number & Capacity: 12 MARFLEX cargo pumps type MDPD 150 each 350 m<sup>3</sup>/h at 110 mlc, s.g. 0.8 – 1.0 cSt

submerged cargo of Cargo Pumps: 3 MARFLEX slop/residual pumps, type: MDPD 80 each 100 m<sup>3</sup>/h at 110 mlc, s.g. 0.8 – 1.0 cSt

**Max Loading Rate: 2,400 m<sup>3</sup>/h**

**Max Discharge Rate: 2,100 m<sup>3</sup>/h**

Max Loadable/Maintainable Temperature: 78 degC / 66 degC

**Inert Gas System Generator 3,750 m<sup>3</sup>/h**

**Bunker Tanks Capacity: abt. 1,000 cbm (all grades)**

Cargo Capacities	Capacities of Cargo Tanks:	Volume (98 %) in m <sup>3</sup>
	No. 1 P + S	3,795 m <sup>3</sup>
	No. 2 P + S	4,724 m <sup>3</sup>
	No. 3 P + S	4,924 m <sup>3</sup>
	No. 4 P + S	5,575 m <sup>3</sup>
	No. 5 P + S	3,212 m <sup>3</sup>
	No. 6 P + S	5,831 m <sup>3</sup>
	<u>Sloptanks P + S</u>	<u>535 m<sup>3</sup></u>
	Total (98%)	<u>28,596 m<sup>3</sup></u>

