

## **8.400 dwt IMO2 Oil / Chemical TANKER**

### **General**

Design ADMARIN  
Type of Vessel IMO2 Oil/Chemical Tanker  
Scantling acc.to BV Rules  
Deadweight ABT.8.400

### **Engine Plants; (Wartsila)**

Wartsila 8L32 type M/E 4000 kW at 750 rpm  
CPP propulsion, 4 blades dia.4500mm  
Shaft Alternator 1350 kVa  
PTO & PTI at 1800 rpm

### **Class Notation**

BV1+Hull+Mach, Oil Tanker / Chemical Tanker  
ESP, Unrestricted Navigation, AUT-UMS  
Clean-Ship, AVM-APS, No ICE, Mon-Shaft  
Inwater Survey, IGS, VCS, Cargo Control

### **Aux.gensets**

(3) LIAG-MAN generating sets, 580 kW/each  
(1) LIAG-MAN emergency set, 150 kW

Crusing Range 7.500 nm  
Speed 14.0 knots at 90%MCR

### **Boilers; (S-MAN)**

(2) thermal oil boiler, 2000 kW/each  
(1) exhaust gas economiser, 600 kW  
(1) cargo tank heater  
(1) tank wash heater, 4000 kW  
(1) steam generator 2200 kg/h

### **Main Dimensions;**

Lenght Overall abt. 123.25m  
Lenght BP abt. 115.97m  
Breadth moulded abt. 17.20m  
Depth moulded abt. 9.20m  
Summer draft abt. 7.20m

### **Cargo handling system; (Hamworthy)**

(12) deepwell pump, 250 m3 at 100mlc/each  
(1) submerged pump with hyd.power unit  
(6) frequency converters  
(2) deepwell ballast pump  
(2) soft starter  
(1) centrifugal slop pump

### **Cargo Tank Capacities;**

No.1 P/S abt. 853 m3/each  
No.2 P/S abt. 780 m3/each  
No.3 P/S abt. 783 m3/each  
No.4 P/S abt. 824 m3/each  
No.5 P/S abt. 660 m3/each  
No.6 P/S abt. 670 m3/each  
Deck Slop P/S abt. 101 m3/each

### **Navigation & Communication (Furuno)**

X-band & S-band Radars  
Dual Gyro with repeaters  
Autopilot, VDR, Course recorder  
Ecdis dual  
Echo sounder, speed log, navtex  
A3 Area GMDSS equipment & Felcom 77  
(3) GMDSS hand VHF's  
(3) Intrinsically safe hand VHF's  
(2) VHF's  
(2) GPS/DGPS

### **Manifold Arrangement**

(12) full segregation of cargo  
(1) full segregation of cargo/slop  
(1) Bulk Line for cargo  
(1) Stern Line  
(1) Ballast manifold  
(1) Vapour Return Line  
(1) Fuel Oil bunker  
(1) MDO bunker

### **Bow Thruster;**

Schottel, 450 Kw, fixed pitch

### **Deck's Machinery;**

(2) Hyd.combi anchor-mooring winches  
(2) Hyd. Mooring winches at aft  
(1) Hose handling crane  
(1) Freefall davit  
(1) Rescue boat&life raft crane

### **Accommodation;**

(5) Living and bedrooms for Captain, Chief  
Eng, Owner, Chief Off, 1st Engineer  
(1) Pilot cabin  
(4) Officer's and Engineer's cabins  
(8) Crew cabins  
(1) Hospital  
All with private toilets/showers  
(2) Messrooms for Officer & Crew  
(1) Ship office

### **LSA Equipment;**

(1) Freefall life boat (19)  
(1) Rescue Boat (6)  
(2) Life rafts (20+20+6)

### **Fire Fighting System;**

CO2 Fire extinguishing for E/R  
Deck Foam System  
Local Application System for E/R