

4.700 dwt IMO2 Oil / Chemical TANKER

General

Design Özsay & Barbaros
Type of Vessel IMO2 Oil/Chemical Tanker
Scantling acc.to BV Rules
Deadweight ABT.4.700

Engine Plants; (Wartsila)

Wartsila 6L20 (2) M/E 1200 kW at 1000rpm
Steerable Thruster CPP, 4 blds dia.2100mm
Shaft Alternators (2) x 400 kW
PTO (2) at 1500 rpm

Class Notation

BV1+Hull+Mach, Oil Tanker / Chemical Tanker
ESP, Unrestricted Navigation, AUT-UMS
AVM-DPS, ICE Class 1C, IG,VCS

Aux.gensets

(2) LIAG-MAN generating sets, 400 kW/each
(1) LIAG-MAN emergency set, 150 kW

Crusing Range 6.500 nm
Speed 12.0 knots at 90%MCR

Boilers; (S-MAN)

(2) thermal oil boiler, 1400 kW/each
(2) exhaust gas economiser, 350 kW/each
(1) cargo tank heater, 1600 kW
(1) tank wash heater, 2800 kW
(1) steam generator 1000 kg/h

Main Dimensions;

Lenght Overall abt. 99.85m
Lenght BP abt. 94.35m
Breadth moulded abt. 15.60m
Depth moulded abt. 6.40m
Summer draft abt. 5.00m

Cargo handling system; (Hamworthy)

(12) deepwell pump, 150 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. 440 m3/each
No.2 P/S abt. 440 m3/each
No.3 P/S abt. 452 m3/each
No.4 P/S abt. 452 m3/each
No.5 P/S abt. 452 m3/each
No.6 P/S abt. 452 m3/each
Deck Slop P/S abt. 60 m3/each

Navigation & Communication (Furuno)

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

Manifold Arrangement

- (6) full segregation of cargo
- (1) full segregation of slop
- (1) Bulk Line for cargo

- (1) Ballast manifold
- (1) Vapour Return Line
- (1) Fuel Oil bunker
- (1) MDO bunker

Bow Thruster;

Schottel, 300 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;

(2) Living and bedrooms for Captain, Chief Engineer
(1) Double berth cabin
(4) Officer's and Engineer's cabins
(6) 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 (16)

Fire Fighting System;

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