3500 DWT
OIL PRODUCT & CHEMICAL TANKER

The vessel is designed as ice-strengthened, single decked, single screw motor ship with double bottom and double sides for unrestricted navigation and service, and capable to carry a large range of liquid IMO II, III chemical cargoes, petrochemical solvents, clean/dirty products, lube oil mineral/vegetable oils in epoxy painted cargo and slop tanks, which is gravity up to 1.54 t/m³. Hull structure is analysed by FEM tools for safety and weight optimization and no structural elements face into the cargo tanks. Overall design provides an environment-friendly, cost-effective, reliable and flexible unit.

BENEFITS

- Low fuel consumption
- Compliance with environmental requirements
- Low operating cost
- Ability to carry various types of cargo
- Ability to sail in iced sea areas
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SPECS

**Capacities**
- Cargo: 4280 m³
- Water Ballast: 1625 m³
- HFO: 200 m³
- MDO: 47 m³
- Fresh Water: 65 m³

**Speed Consumption/Range**
- Design speed: 13.0 knots
- Consumption: 7.2 t/day
- Cruising range: 7500 nm

**Machinery Main Components**
- Main Engine: 1 x 1850 kW
- Propeller: 1 x 3500 mm dia CPP
- Diesel Generator: 3 x 300 kW
- Em’cy Diesel Generator: 1 x 100 kW

**Complement**
- The accommodation area is arranged for seventeen (17) people and a pilot. Thirteen (13) single berth cabins, one (1) cabin with 2 bunk beds, two (2) suits with separate bedrooms and one (1) pilot room are provided.
- Lifesaving equipment is arranged for twenty (20) people.

**Main Dimensions**
- \( L_{OA} \): 93.11 m
- \( L_{BP} \): 86.65 m
- \( B \) (molded): 14.50 m
- \( D \) (molded): 7.20 m
- Draught (design): 5.50 m
- Draught (scantling): 5.70 m

**Tonnage**
- DWT (at design): 3300 t
- DWT (at scantling): 3550 t
- GRT (app): 2800
- NT (app): 1175

**SCOPE OF SERVICES**
- Conceptual Design
- Contract Design
- Production Engineering
- Post Production Services
- DeltaLoad Ship Loading Software
- Advanced Engineering Analyses
- Project & Document Management
- Supervision Services
- Procurement Consultancy
- Feasibility Analyses

**REFERENCES**
- SUDE-S