

FIONIA SWAN

15000 DWT OIL PRODUCT & CHEMICAL TANKER



DESIGN INFORMATION

The ice-classed and single decked ship is equipped with innovative azimuth propulsion system with two units. The ship is designed for unrestricted navigation and service, being capable to carry a large range of liquid IMO II type cargoes (acc. to IBC Code), vegetable oils, oil products and withstands cargoes with specific gravity up to 1.90 t/m³. The hull structure is strengthened with double bottom and double skin. No structural element faces the coated cargo tanks. The hull form is designed for minimum resistance and overall design provides an environment-friendly, cost-effective, reliable and flexible unit. One deep-well pump is installed for each tank while complete segregation for each cargo tank is provided with one vapour return line.



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Service Provided



- ✓ **Feasibility Analysis** : Technical and market analysis for optimum type, dimensions, tonnage, speed and operational abilities
 - ✓ **Shipyard Selection** : Finding and suggesting most convenient shipyard in terms of capacity, orderbook, cost and experience
 - ✓ **Project Planning & Scheduling** : Planning & scheduling the project activities according to time, resources, inputs, budget and ROI
 - ✓ **Equipment & Material Determination** : Determining the equipment and material specifications based on ship's operational purposes
 - ✓ **Procurement Consultancy** : Gathering the manufacturers' proposals, preparation of technical and financial evaluation report
 - ✓ **Production Control Engineering** : Control of every stage of the production starting from delivery supervision till sea trials
 - ✓ **Ship Take-Over Process Management** : Management of ship's registry operations and confirmation for compliance of the ship with requirements
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- ✓ **Outfitting Units Production & Assembly** : Production and/or assembly of outfitting units such as ladders, handrails, manholes, etc.
 - ✓ **Machinery Systems Assembly** : Assembly of machinery systems such as main engine, boiler, generator, pump, etc.
 - ✓ **Piping Systems Production & Assembly** : Production and assembly of piping systems in deck, engine room, etc.



Ship Information

Project No : OMG-002
Ship Type : Tanker for Chemicals IMO II & Oil Products
Owner : Uni-Tankers A/S - Denmark
Shipyard : Deniz Endustrisi A.S. (Cicek Shipyard) - Turkey
Hull Number : 34
Designer : Delta Marine Co.

Class Society : Bureau Veritas
Class ID : 04167G
IMO Number : 9328974
Class Notation : BV I ✕ HULL ✕ MACHINERY, CHEMICAL TANKER, OIL TANKER, ESP, UNRESTRICTED NAVIGATION, SYS NEQ 1 ✕ AUT-UMS, ICE CLASS IA, CLEAN SEA, AVM - DPS, IG, VCS, INWATERSURVEY, MANOVR



Main Dimensions

L_{OA} : 148.00 m
L_{BP} : 139.50 m
B (molded) : 21.60 m
D (molded) : 11.30 m
Draught (design) : 8.50 m
Draught (scantling) : 8.60 m



Tonnage & Capacities

DWT : 15 602 t
Cargo Cap. : 18 310 m³
Crew : 20



Speed & Propulsion System

Design Speed : 15 knots, 90% MCR, 10% sea margin
Main Engine : Bergen, B32:40L8P, 2 x 3600 kW, 720 rpm
Propulsion System : Rolls Royce, Aquamaster CP Azimuth Thruster, 2 x 3240 kW, 3400 mm, 182.3 rpm, NiAlBr