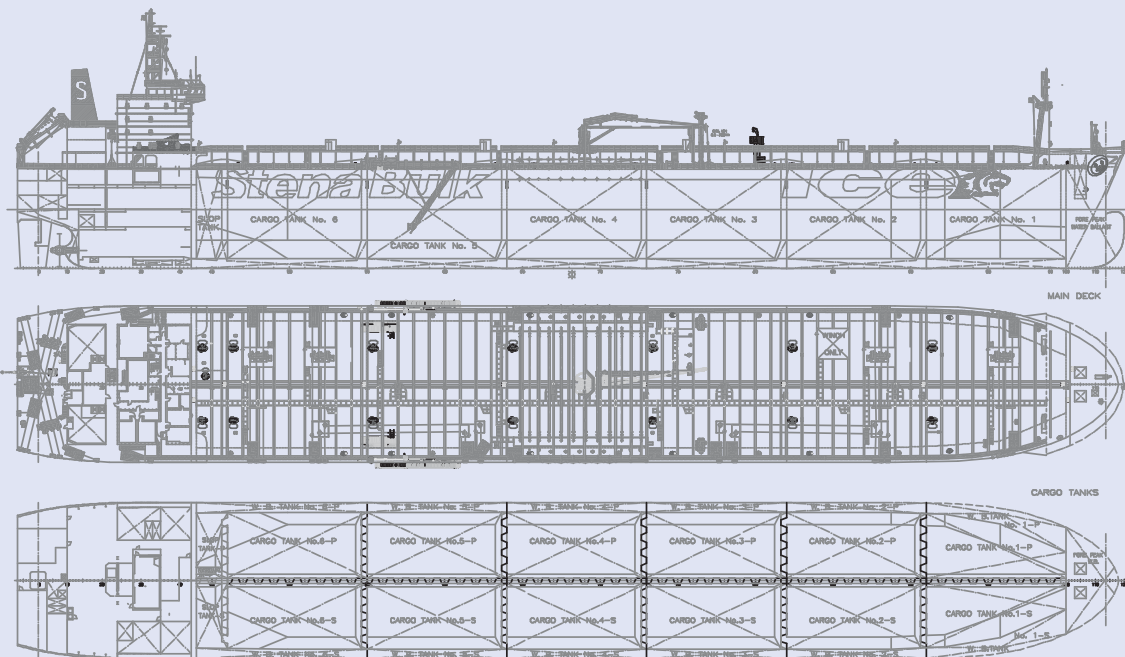


Product Tanker

Ice-1A Class

74.999 DWT



Builder / Yard No.: **Shipyard BRODOSPLIT** / No. 448, 449, 450, 451, 454, 455, 456, 457, 458, 459
 Owner / Flag: LR Ice Shipping Ltd. / Norway, Terra Ltd. / Bermuda, Lacus Ltd. / Bermuda, W-O NEDERLAND BV / Cyprus
 Designed by: Shipyard Brodosplit
 Delivery: 2006, 2007, 2008, 2009

Single screw diesel engine driven Oil Product Tanker with longitudinal bulkhead, bulbous bow, and transom stern. Living quarters including navigation bridge, engine room with fuel oil tanks on both sides located aft. Double bottom / double side tanks and peak tanks intended for segregated ballast. Cargo space divided into twelve (12) cargo, two (2) slop tanks and residual tank (1). Hull structure made of mild and higher tensile steel. Six (6) parcels of cargo can be handled simultaneously.

Classification: DNV ∇ -1A1, Tanker for Oil, ESP, ICE-1A, EO, NAUT-OC, LCS-DC, VCS-2, COAT-2, ETC, TMON, NAUTICUS (Newbuilding)

Main dimensions

Length overall	228.50 m
Length between perpendiculars	220.00 m
Breadth moulded	32.24 m
Depth moulded 20,45 m	
Design draught	12.20 m
Summer draught	14.18 m
Deadweight at design draught	61.277 t
Deadweight at summer draught	74.998 t
Main engine MAN-B&W	6S60 MC-C
Selected maximum continuous rating	13,560 kW/105 rpm
Trial speed at design draught and 90% SMCR	16.29 kn
Main engine daily fuel oil consumption	49.2 t/day
Cruising range	15,000 nm
Crew complement	30 + 6 Suez crew

Capacities (100%)

Cargo and slop tanks 85950,1 m³ Ballast tanks 31818,0 m³
 Heavy fuel oil 2294,2 m³ Diesel 185,7 m³ Fresh and feed water 246,0 m³

Painting

Cargo tanks 3 x 100 mic Sigma Guard 745 (Phenolic epoxy) in cargo and slop
 Under water hull and boot topping Sigma Prime 2 x 100 mic Ecofleet 290, TBT self polishing antifouling

Cargo equipment

Cargo pumps Twelve submarged hydraulically driven centrifugal pumps
 Q=1000 m³/h at 130 mLC.
 One portable submersible driven centrifugal pump
 Q=200 m³/h at 60 mLC.
 Two submarged hydroulically driven centrifugal slop pumps
 Q=300 m³/h at 130 mLC.
 One residual pump of Q=80 m³/h at 130 mLC.
 Material of pumps-Stainless steel
 Cargo manifolds Cargo line manifold connections 6 x DN 300 for cargo tanks No.1-No.6 PS/SS + slop
 1 x DN 150 with fittings according to OCIMF.