

LINDENAU Safety Tanker Class

Double Hull Bunker Tanker for Oil Products
Newbuilding S288 - 580 tdw – 620 m³ - <499 GT



.... the future in shipbuilding



Classification	GL <input checked="" type="checkbox"/> 100 A5 E RSA (50) * MC E AUT	Product Tanker	suitable for the transport of various products
Flag	German, restricted international voyages		
Main Features	Suitable for transport of MDO, MGO and lub oil, with flashpoint < 60°C, $\rho < 1,025 \text{ t/m}^3$, max. filling temp. 40°C Optimised ship to ship berthing manoeuvre due to bow thruster, flap rudder, CPP-propeller, extensive fender guards and excellent visibility. Double hull ($h_{bb}=0,98 \text{ m}$, $b=0,80 \text{ m}$), vertically stiffened cargo bulkheads, flush working deck (deck stiffeners facing into cargo tanks)		
Main Dimensions		Machinery / Ship's Equipment	Cargo Equipment
Length over all	abt. 51,80 m	1 main engine 746 kW-1.600 rpm	6 cargo tanks + 2 slop/cargo tanks
Length pp	abt. 49,26 m	1 gearbox 1.600/278 rpm, with PTO and el. Coupling	4 manifolds (2xcargo DN 125, 1xSlop, 1xvapour return)
Breadth	abt. 10,40 m	clutch coupling for single PTO power generation	2 el. screw pumps 130 m ³ /h each, 6,5 bar, frequency converter driven (one per pump)
Depth	abt. 3,70 m	1 CPP- propeller $\varnothing=2,10 \text{ m} - 278 \text{ rpm}$, 4 blades	1 el screw pump 15 m ³ /h for slop, 5 bar, fixed speed
Draught des.	abt. 3,10 m	2 Generator sets, 187 kVA - 1.500 rpm, for gas oil	max simultaneous discharge rate 260 m ³ /h.
Draught sca.	abt. 3,20 m	1 Emerg. generator 107 kVA - 1.500 rpm, air-cooled	All cargo tanks coated with epoxy
Gross tonnage	≤ 499 GT	1 PTO generator 145 kVA - 1.500 rpm	Cargo pipes of stainl. Steel (classified for chemicals IMO II)
Deadweight all told, sca.	abt. 580 tdw	1 el. bow thruster 99 kW with FPP, stepless control	Cargo ullage by radar,
Cargo tank vol 98% incl. slop	abt. 620 m ³	1 flap type rudder with rotary vane steering gear	1 calibrated flow meter with degassing unit
Trial speed (85% MCR, SM=0)	abt. 11,0 kn	El. system 400 V -50 Hz, 230 V - 50 Hz, 24 V DC	