

Furetank T24C1

20 000 m³ Chemical & Product Tanker



GENERAL

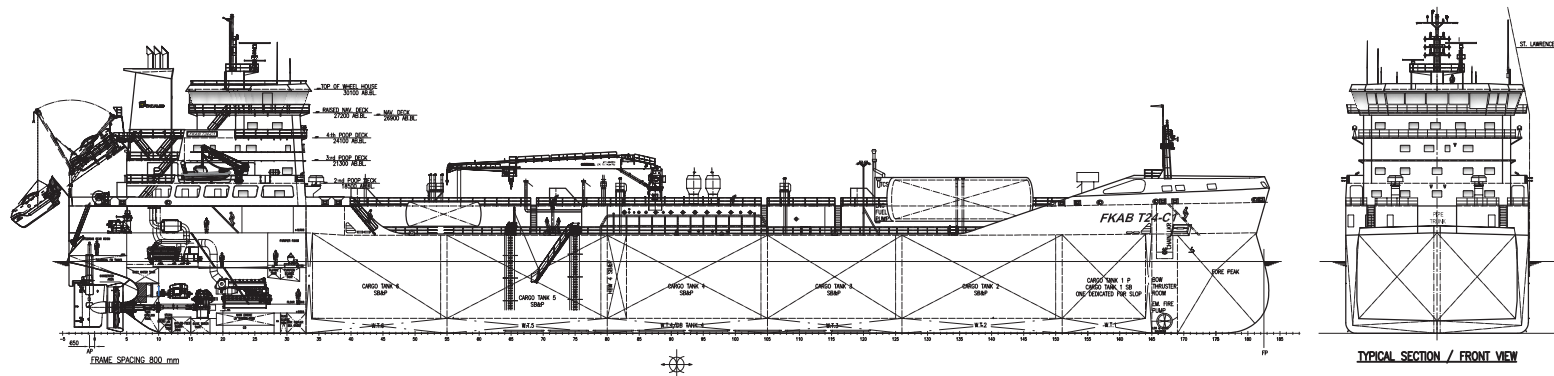
The Furetank T24C1 is a 20 000 m³, TIER III oil product tanker for chemicals (IMO II and III) and oil products.

It is designed for low fuel consumption and high cargo capacity with a density of 1,54 tonnes/m³ in an SECA area trade. The hull form is designed for good performance in harsh weather conditions. The tanker is designed for European waters considering the Stanlow locks, St. Lawrence Seaways, draught restrictions in various ports and keeping the total length below 150 m. Vessel is divided into 12 cargo tanks, of which one is dedicated for slop and 2 drain tanks on deck. Complying with 12 grades.

The vessel is designed for good performance with Finnish/Swedish ice class 1A.

Propulsion is provided by a medium speed dual fuel engine with a gearbox with PTI/PTO and shaft generator coupled to a CP propeller in nozzle. PTI 'Take me home' device through PTI from the auxiliaries. In order to save fuel the shaft generator is running on various rpm allowing optimum propeller rpm at various speeds.

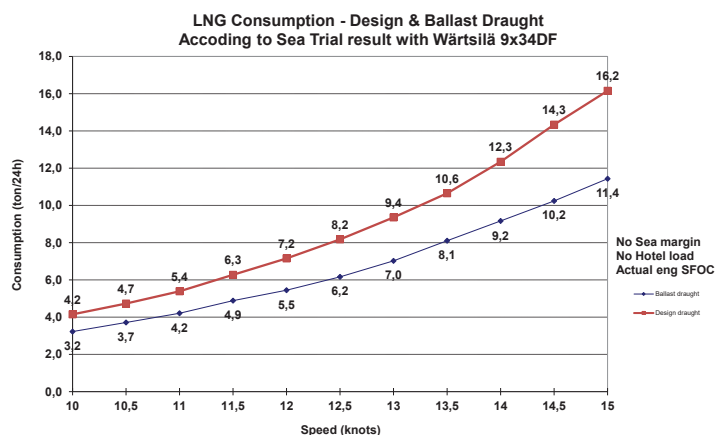
The general T24 design is obtainable with various main particulars, considering restrictions in ports and channels, with two- and four-stroke main engines, with steam or thermal oil heating, electrical or hydraulic driven cargo pumps, propeller with nozzle or without and with auxiliary engines tailor-made to customer demands.



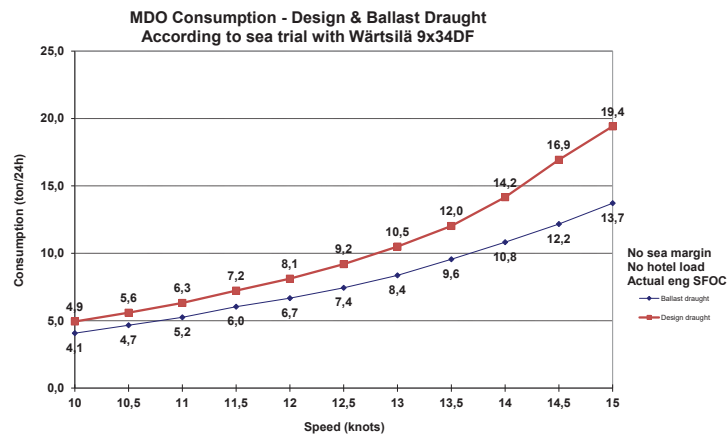
MAIN PARTICULARS

Length over all	149,90 m	Main engine	Four-stroke Dual Fuel abt 4 500 kW at abt 750 rpm
Length between pp	146,64 m	Aux engines	1 x 600 kW and 1 x 1500 kW
Breadth mld	22,80 m	Shaft generator	1 800 kW
Depth mld	12,10 m	One oiled fired steam boiler	7 600 kW
Draught design	8,85 m	One combined oil fired /exhaust-gas steam boiler	1500 kW
Draught scantling	9,36 m	Bow thruster	850 kW
Deadweight at design draught	16 451 tonnes	Cargo pumps	12 x 300 m ³ /h
Deadweight at scantling draught	17 999 tonnes	Ballast pumps	2 x 500 m ³ /h
Cargo capacity	20 200 m ³	Loading rate	1 200 m ³ /h per tank pair
FO tanks	520+150 m ³	Discharge rate	1 800 m ³ /h
LNG tanks	2 x 300 m ³	Accommodation	19 pers
Urea tanks	28 m ³	Gross tonnage	12 763
Technical FW tanks	290 m ³	Net tonnage	5 838
Domestic FW tanks	40 m ³	EEDI	4,60 (requirement < 9,32)
Water ballast abt	7 500 m ³	High voltage shore power	6,6 kV

LNG Consumption



MDO Consumption



Fuel consumption at 13,0 knots excluding shaft generator and sea margin, LNG 9,4 t / 24h.

Fuel consumption at 13,0 knots excluding shaft generator and sea margin MGO 10,5 t / 24h.

Service speed 13,0 knots at draught 8,85 m, 69% MCR with 15% sea margin and shaft generator output of 300 kW.

CLASS

Bureau Veritas+ HULL, +MACH, Oil Tanker, Chemical Tanker-dualfuel , ESP, Unrestricted Navigation, Ice 1A, AUT-IMS, SYS-IBS-1, MON-Shaft, VCS, INWATERSURWAY, CLEANSHIP, EWCT, BWT, AVM-APS, IG.