OUR NEXT GENERATION THE MOST ENVIRONMENT FRIENDLY PRODUCT TANKERS







THE BEST WAY TO CARE FOR THE ENVIRONMENT IS TO OFFER ENERGY AND EMISSION REDUCING SOLUTIONS.

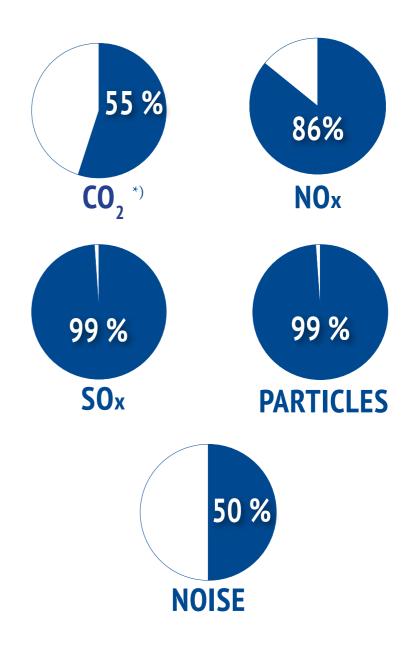
FURETANK provides full technical and commercial management with focus on environment and efficiency.

Together with our partners, we have developed climate smart vessels that meet future needs and requirements.

ENERGY EFFICIENCY

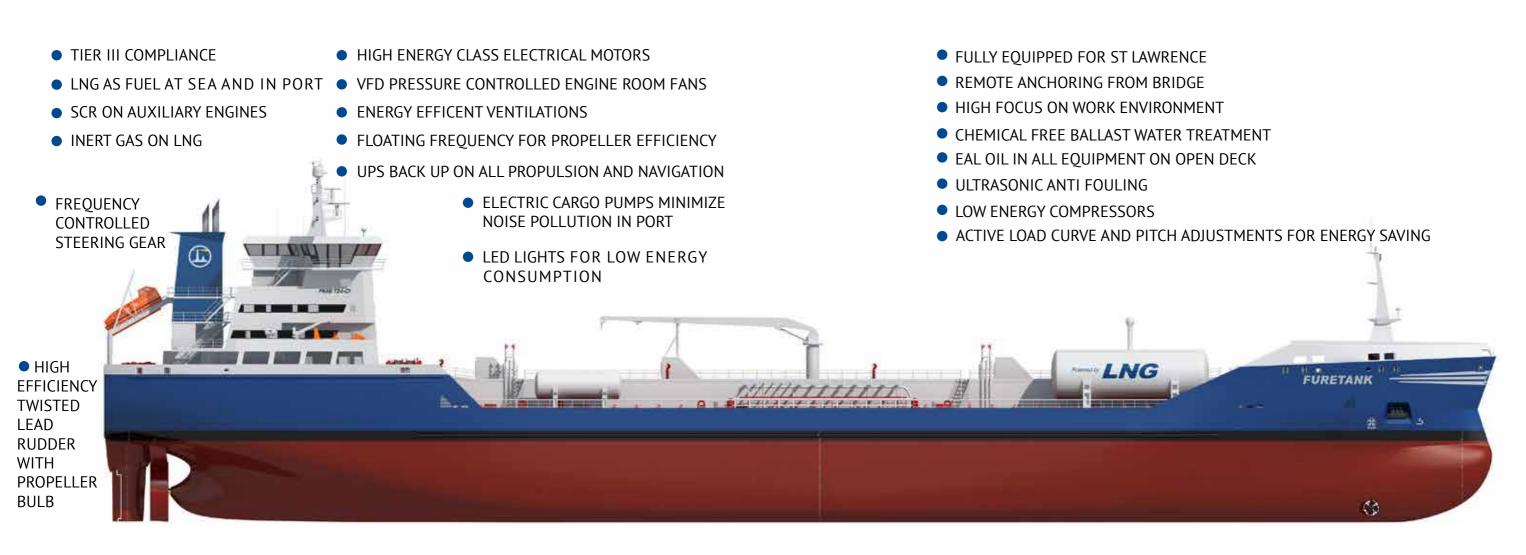


EMISSION REDUCTION



^{*)} CO₂ can be eliminated if biogas is used

WE DO NOT ONLY WANT TO FOLLOW THE DEVELOPMENT, WE WANT TO BE PART OF CREATING IT.



- PROPELLER NOZZLE MINIMIZE REQUIRED ENGINE OUTPUT - ICE CLASS 1A
- PROPELLER NOZZLE REDUCE NOISE LEVEL
- CLASS NOTE AVM-APS ALTERNATIVE PROPULSION SYSTEM

- STEAM BOILERS WITH EXHAUST HEAT RECOVERY FROM ME AND ALL AUX ENGINES
- HEAT RECOVERY FROM COOLING WATER

- NEW LOW DRAG HULL DESIGN
- HIGH PERFORMANCE ANTI FOULING FOR LOW FRICTION
- VGP COMPLIANCE FOR ALL OIL TO WATER INTERFACE

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		Salt v	water			Fresh	water	
Mean draft BoK	Displacement	MCT	TpCm	Deadweight	1.020 1.015 Density 1.005	Deadweight	Displacement	Mean draft BoK
9.5 9.4 9.3 9.2 9.1 9 8.9 8.8 8.6 8.5 8.4 8.3 8.2 8.1 8 7.9 7.6 7.5 7.4 7.3 7.2 7.1	25000 2500 2600 2600 2600 2500 2	310 308 306 306 306 304 302 306 206 206 207 270 270 270 270 270 270 270 270 270	30.7 30.6 30.5 30.4 30.3 30.2 30.1 29.9 29.8 29.7 29.6 29.5 29.4 29.3 29.2 29.1 29.2 29.1 29.2 29.1 28.8 28.7 28.6 28.5 28.6 28.5 28.4 28.3 28.2 28.1	18000 18300 17000 17000 18000		17800 17900 17900 17900 17900 17900 17900 17900 17900 17900 18000	28698 24000 23000 23000 23000 23000 23000 23000 23000 23000 23000 23000 23000 23000 24000	9.5 9.4 9.3 9.2 9.1 9 8.9 8.8 8.7 8.6 8.5 8.4 8.3 8.2 8.1 7.9 7.8 7.7 7.6 7.5 7.4 7.3 7.2 7.1 6.9 6.8 6.7
6.6 6.5 6.4 6.3 6.2 6.1	16000 15800 15600 15400 15200 15000 14800	236 234 232 230 228 226	27.9 27.8 27.7 27.6 27.5	9800 9600 9400 9200 8800 8600 8400 8200		9400 9200 9800 9600 9400 8200 8000	16200 15800 15600 15400 15200 15000 14600 14600	6.6 6.5 6.4 6.3 6.2 6.1

LAKE MÄLAREN (NEW SÖDERTÄLJE CANAL)	7,0 M	10600 TDW
ÖRESUND/DROGDEN	7,7 M	12900 TDW
MANCHESTER CANAL	7,9 M	13000 TDW
DESIGN	8,9 M	16300 TDW
SUMMER	9,4 M	18200 TDW

CARGO TANKS SPEC. GR. 1.5	VOLUME 100 %
CARGO (SLOP) TANK 1 SB	667 M ³
CARGO TANK 1 P	674 M ³
CARGO TANK 2 SB	1924 M ³
CARGO TANK 2 P	1917 M ³
CARGO TANK 3 SB	1759 M ³
CARGO TANK 3 P	1766 M ³
CARGO TANK 4 SB	2104 M ³
CARGO TANK 4 P	2098 M ³
CARGO TANK 5 SB	2097 M ³
CARGO TANK 5 P	2104 M ³
CARGO TANK 6 SB	1598 M ³
CARGO TANK 6 P	1598 M ³
CARGO TANKS TOTALLY	20306 M ³

CLASS

BUREAU VERITAS (BV) DUAL FUEL (LNG), +HULL, +MACH, OIL TANKER, CHEMICAL TANKER, ESP, UNRESTRICTED NAVIGATION, ICE CLASS 1A, AUT-IMS, SYS-IBS-1, MIN-SHAFT, VCS, INWATER SURVEY, CLEAN SHIP, EWCT, BWT, AVM-APS, IG

DESIGN

FKAB MARINE DESIGN LOW DRAG HULL DESIGN

SERVICE SPEED 12 KNOTS

FUEL CONSUMPTION 8,2 TON LNG WITH SHAFT GENERATOR CONNECTED

PARTICULARS

LENGTH OVER ALL	149,9 M
BREADTH	22,8 M
DEPTH	12,1 M
DRAFT DESIGN	8,9 M
DRAFT SUMMER	9,4 M
KEEL TO TOP OF MAST	40,3M

TONNAGE

DWT DESIGN	16,300 T
DWT SUMMER	18,200 T
GRT	12595 T
NRT	5837 T

TANKCAPACITY

CARGO 98 %	19,900 M ³
BALLAST	7400 M ³
LNG	600 M ³
HFO	540 M ³
DO	170 M ³
FRESH WATER	50/300 M ³

CARGO HEATING

HEAT EXCHANGER

STEAM BOILERS 9,5 STEAM TON/H

CARGO PUMP

ELECTRIC DEEP WELL PUMPS			
CARGO PUMPS	12X300 M ³ /H		
SLOP PUMPS	300 M ³ /H		
BALLAST PUMPS	2X500 M ³ /H		
DISCHARGE CAP	1800 M ³ /H		

MAIN ENGINE

WÄRTSILÄ 9L34DF 4500 KW

AUXILIARY ENGINES

WÄRTSILÄ 688W4L20 688 KW WÄRTSILÄ 1600W9L20 1600 KW

BOW THRUSTER

BRUNVOLL FU63LTC1750 850 KW

INERT GAS SYSTEM

FUEL	LNG/DIESEL
CAPACITY	2250 M ³ /H

BALLAST WATER TREATMENT

ALFA LAVAL PURE BALLAST



DESCRIPTION OF POINTS

TIER III COMPLIANCE

International Maritime Organization (IMO) highest emission classification.

LNG AS FUEL AT SEA AND IN PORT

Inert gas generator can be operated on LNG, for clearner emissions.

SCR ON AUXILIARY ENGINES

Selective Catalytic Reactors (SCR) are installed, reducing NOx emissions.

INERT GAS ON LNG

Inert gas generator will have the possibility to be operated on LNG, for cleaner emissions.

FREQUENCY CONTROLLED STEERING GEAR

A more efficient way to operate the actuation of the rudder.

HIGH EFFICIENCY TWISTED LEAD RUDDER WITH PROPELLER BULB

A special kind of rudder design that aims to minimize drag while optimizing stability and efficiency.

PROPELLER NOZZLE MINIMIZE REQUIRED ENGINE OUTPUT - ICE CLASS 1A

With a propeller nozzle fitted the propeller will deliver approximately 25% more pull.

PROPELLER NOZZLE REDUCE NOISE LEVEL

Propeller Nozzle will also reduce the underwater noise that is emitted from the propeller.

CLASS NOTE AVM-APS ALTERNATIVE PROPULSION SYSTEM

AVM-APS is a classification notation for assisted propulsion, secondary propulsion system.

ENERGY CLASS ELECTRICAL MOTORS

All electric motors on board has the highest possible energy efficiency class.

VFD PRESSURE CONTROLLED ENGINE ROOM FANS

The engine room fans are automatically controlled in order to minimize energy consumption.

ENERGY EFFICIENT VENTILATIONS

All ventilation systems are designed to consume a minimum amount of energy.

FLOATING FREQUENCY FOR PROPELLER EFFICIENCY

Technical solution that make it able to run the propeller at a variable speed, resulting in reduced energy consumption.

UPS BACK UP ON ALL PROPULSION AND NAVIGATION

The electrical system have a battery backup that will minimize the risk of a blackout, resulting in improved safety.

CHEMICAL FREE BALLAST WATER TREATMENT

Ballast water treatment that is not using any chemical additives.

ULTRASONIC ICAF

Anti fouling system for box coolers that uses ultrasonic sound waves to deter organisms from growing inside the box coolers.

VGP COMPLIANCE FOR ALL OIL TO WATER INTERFACE

All systems containing oil that potentially can be leaking into the sea are filled with biodegradable oils.

LED LIGHTS FOR LOW ENERGY CONSUMPTION

All lights on board where possible are of LED type.

REMOTE ANCHORING FROM BRIDGE

The anchors are able to be released from bridge.

ACTIVE LOAD CURVE AND PITCH ADJUSTMENT FOR ENERGY SAVING

A way to optimize the propeller RPM and pitch depending on cargo condition.

EAL OIL IN ALL EQUIPMENT ON OPEN DECK

EAL is an biodegradable oil.

FURETANK