



# E-class

Evolved design with focus on Efficiency  
and Environmental care



# THUN TANKERS

## Part of the Erik Thun Group

Thun Tankers is part of the Erik Thun Group, a private company owned by the Källsson family since 1938. Our core business is shipping, with an extensive presence in dry cargo, cement, oil, chemical and biofuel transportation. We are experts in regional, coastal shipping with most trade in Europe. With an extensive newbuilding program we are now in the process to build the next generation, climate smart coastal vessels.

We in Erik Thun Group have always had a high focus on cost awareness and resource efficiency that translates into modern environmental care. We consider sustainability in everything we do. Our vision has always been to be best in class and recognized by our customers as the industry leader by providing safe, sustainable and cost efficient cargo transport solutions that are second to none through innovative design based on our long term experience.

### **EMBRACING THE FUTURE** – building on experience from the past

For us, the in-house knowledge has been used when developing future efficient and sustainable transport solutions. For decades we have designed increasingly cost and fuel efficient quality ships. Long term customer relationships have enabled us to build and develop tailor made ships that meet our customers' demands.

The E-class vessels are a good example of that. The vessels are a further evolution of Thun Tankers' existing G-class fleet. Focus on efficiency, environmental care and customers' needs has been key when developing the new vessels. The vessels are built to the absolute latest design, meeting – and often exceeding – existing and forthcoming regulations.

The E-Class are being built by Scheepswerf Ferus Smit B.V. in the Netherlands, with whom we have a close and long standing relationship, the yard has previously built more than 30 efficient quality vessels for Erik Thun Group.



# Three E – emphasizing Evolved design with focus on Efficiency and Environmental care

**THE E-CLASS** is significant for our vision and the work we do:

## **EVOLVEMENT**

Over time we have continuously **evolved** our vessels based on customers' requirements. The E-Class is a further development of our existing tankers and based on our long experience of building quality tankers. In the design process we have focused on developing a vessel to the absolute latest design to meet and exceed future shipping demands.

## **EFFICIENCY**

We have stayed loyal to our idea of investing in the most **efficient** quality equipment in order to reduce costs and create an efficient and reliable quality vessel. Our main purpose is to make coastal shipping more effective and this idea has run through the whole design process.

## **ENVIRONMENT**

Throughout the history of Erik Thun Group designing sustainable shipping solutions have always been an integral part of our company's core values. Our next generation coastal tankers have been carefully designed to meet and exceed future **environmental** regulations. The new vessels reduced fuel consumption with an increased cargo intake, less exhaust emissions and lowered noise levels are a few examples of that.

**THE E-CLASS** Designed to meet future regulations and demands

## **INCREASED PERFORMANCE**

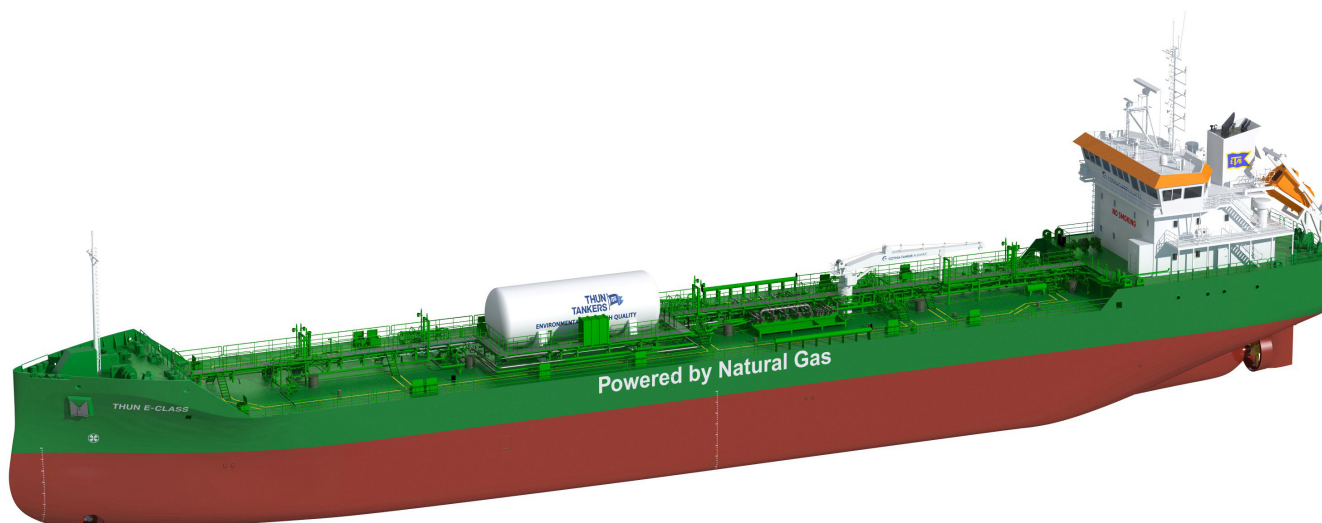
- Further improved manoeuvrability with a nozzle fitted propeller.
- Latest hull design for further improved performance and reduced bunker consumption.
- Less bow flare means less resistance and less speed loss in heavy seas.

## **IMPROVED CARGO HANDLING**

- Cargo heating with heat exchanger.
- Vegoil and easy chemical resistant coating.
- Full IMO II type design.
- 1500 m<sup>3</sup> increased cubic with same vessel length as previous ships.

## **SUSTAINABILITY**

- Dual fuel – LNG or Marine Gasoil for propulsion.
- Reduced fuel consumption.
- Ballast water treatment.
- Reduced noise levels both over and under water.
- Prepared for land based electricity supply for loading operations.
- The vessels are built to absolute latest environmental standards.



### **VESSELS MAIN PARTICULARS**

**Dwt:** 7,999 metric tons

**Cubic (98%):** 9,350 m<sup>3</sup>

**Ice Class:** Finnish/Swedish ice class 1A

**IMO:** IBC code type II chemical tanker

**LoA:** 114.95 meters

**Beam:** 15.87 meters

**Design draft:** 6.9 m meters

**Propeller:** Nozzle fitted, 3.85 meter diameter controllable pitch propeller

**Stern tube:** Water lubricated

**Rudder:** Flap rudder

**Main engine:** Wärtsilä type 6L32/6L34DF for LNG or gasoil usage

**Main engine output:** 3000 kW

**Bow thruster output:** 450 kW

**Aux engines for cargo ops:** 3 Scania diesel generators of approx. 350 kW each

**Emergency propulsion:** Hydraulic “take me home” device, mounted behind shaft generator

### **CARGO SYSTEM AND HANDLING**

**Cubic capacity:** 9,350 m<sup>3</sup> at 98% filling

**Tank coating:** Jotun tankguard special ultra – Vegoil and easy chemical resistant

**Cargo tanks:** 9

**Double valve segregations:** 5

**Cargo pumps:** Framo

**Cargo pump capacity:** 350 m<sup>3</sup>/h per pump or up to 1500 m<sup>3</sup>/h provided shore facility permits

**Loading capacity c:** 900 m<sup>3</sup>/h per tank pair

**Super strip system:** Yes

**Manifold connection:** 8 and 10 inch

**Cargo heating system:** One heat exchanger per tank

**Tank cleaning system:** Fixed system

**Cargo tank ventilation:** Each tank provided with high velocity pressure vacuum valve

**Vapor return system:** 2 vapor return connections

**Purging system:** Nitrogen system, 400 m<sup>3</sup>/h

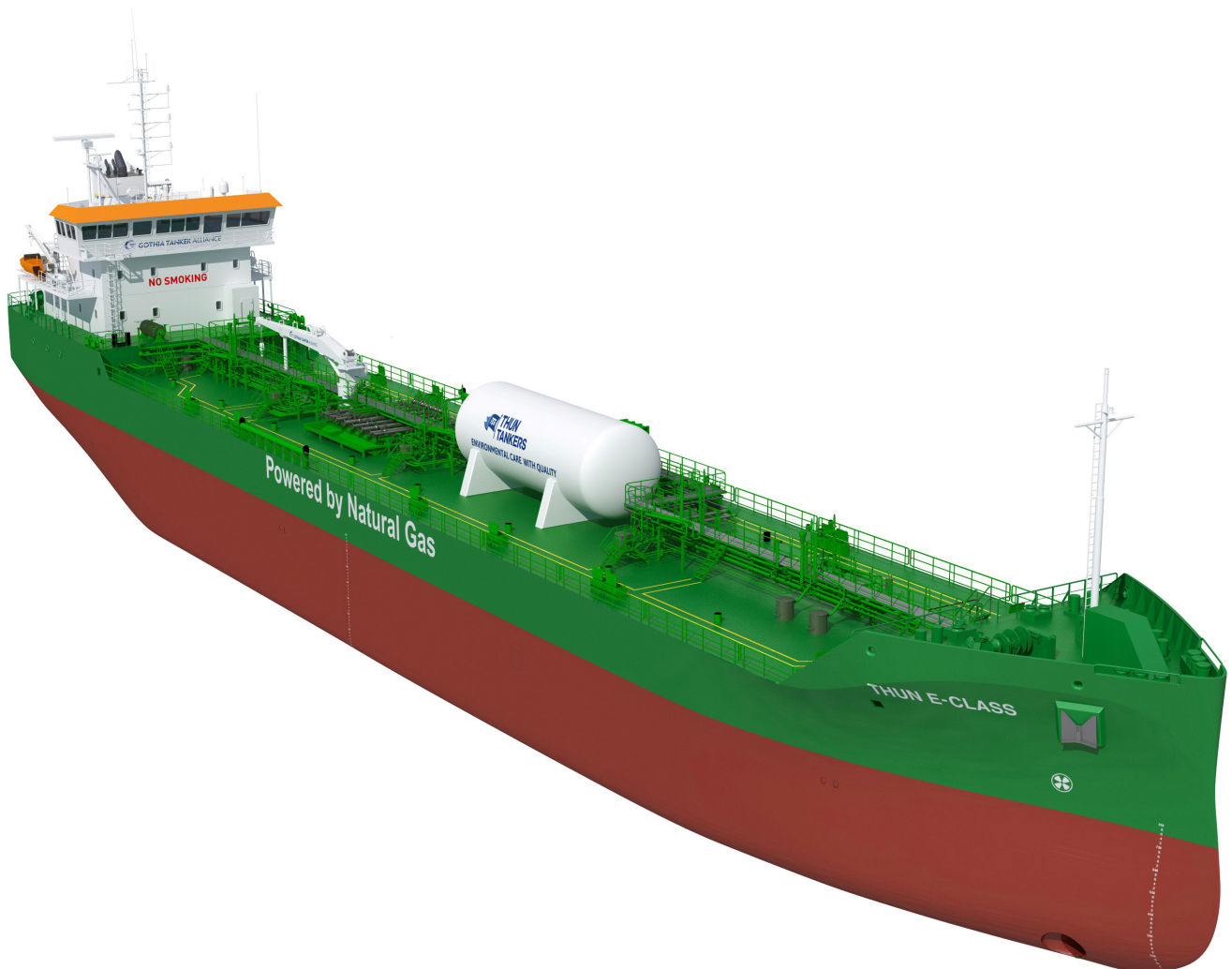
**P/V valves:** Built to meet all IMO II regulations

**Drain tanks:** Two drain tanks

**Cofferdam:** Yes

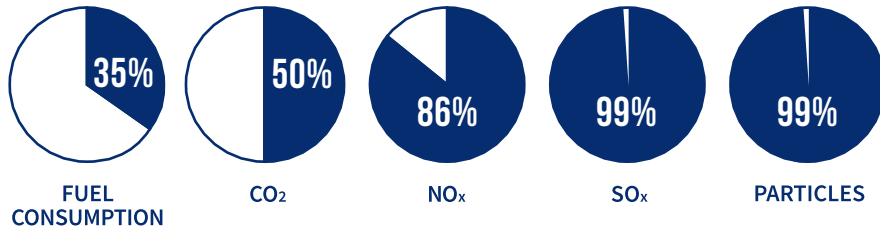
*” The E-class will continue to provide our clients with the dynamics of always having climate smart high quality tankers in the right position at the requested time ”*

Joakim Lund, CCO Thun Tankers





## FUEL AND EMISSION REDUCTION



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