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Breakthrough order for Alfa Laval PureNOx Prime on five VLECs

PureNOx Prime, Alfa Laval's new PureNOx solution for water treatment in Exhaust Gas Recirculation (EGR), will be part of EGR systems on five very large ethane carriers (VLECs) to be operated by United Ethane Carriers (UEC). This major order from MAN Diesel & Turbo comes only a short time after PureNOx Prime was introduced to the market.

UEC, a joint venture between Jaccar Holdings and Hartmann Group for the commercial management of ethane carriers, will be the operator of five VLECs to be built for ship owner JHW Engineering & Contracting. These newbuilds will employ EGR as the means of reducing NOx emissions. For water treatment in the EGR circuit, engine provider MAN Diesel & Turbo has chosen PureNOx Prime, a cutting-edge development of Alfa Laval PureNOx technology.

"Receiving this breakthrough order so soon after the introduction of Alfa Laval PureNOx Prime confirms that we've succeeded in our goals," says Kristina Effler, Alfa Laval Global Business Manager, Water Treatment Exhaust Gas Emissions. "PureNOx Prime retains the proven PureNOx performance, but its smaller footprint, leaner design and lower investment cost are all adapted to market demands. Clearly, the market is responding."

An integral part of the EGR engine

The five VLECs will be built in China by Dalian Shipyard. Like all ships built as of January 2016, they will be required to meet stringent Tier III NOx limits when operating in the Emission Control Area (ECA) off the North American coast.

Each vessel will be served by a PureNOx Prime 100 system, which is the smallest of the three PureNOx Prime capacities and comprises one centrifugal separator. PureNOx Prime will be integrated into the vessels' EGR engines, which will be manufactured for MAN Diesel & Turbo by Hyundai Heavy Industries Engine & Machinery Division (HHI-EMD).

To learn more about Alfa Laval PureNOx Prime and Alfa Laval's approach to EGR water treatment, visit www.alfalaval.com/purennox

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Editor's notes

About Alfa Laval

Alfa Laval is a leading global provider of specialized products and engineering solutions based on its key technologies of heat transfer, separation and fluid handling.

The company's equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. The solutions help them to heat, cool, separate and transport products in industries that produce food and beverages, chemicals and petrochemicals, pharmaceuticals, starch, sugar and ethanol.

Alfa Laval's products are also used in power plants, aboard ships, in oil and gas exploration, in the mechanical engineering industry, in the mining industry and for wastewater treatment, as well as for comfort climate and refrigeration applications.

Alfa Laval's worldwide organization works closely with customers in nearly 100 countries to help them stay ahead in the global arena.

Alfa Laval is listed on Nasdaq OMX, and, in 2014, posted annual sales of about SEK 35.1 billion (approx. 3.85 billion Euros). The company has about 18 000 employees.

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