



Innovative Vehicle Technology

PRESS RELEASE

Alfa Laval and Haldex launch innovation for future environmental demands

The two Swedish multi-national companies Alfa Laval and Haldex are now ready to launch an innovative solution to clean crankcase gases from diesel engines. The invention meets exceptionally tough environmental demands, has high cleaning efficiency, spares the engines and eliminates service needs. The new solution will be shown for the first time at the world's largest vehicle exhibition IAA in Hanover, Germany in September.

Alfa Laval and Haldex announced in the beginning of July their technical and commercial cooperation within the area of cleaning crankcase gases that are ventilated from diesel engines. The intention was to combine Alfa Laval's expertise on separation technology with Haldex' know-how in enhancing vehicle performance and safety as well as its strong manufacturing, marketing and distribution platform for the vehicle industry

Mr. Sigge Haraldsson, President and CEO of the Alfa Laval group comments: "Alfa Laval have successfully separated fluids from fluids and solids from fluids on the global market and in many different industry applications for more than 100 years. Through research we have now developed an innovative solution where we can separate fluids and solids from gases, which opens totally new opportunities in the future. Cleaning of crankcase gases from diesel engines is one interesting and promising application."

The result of the cooperation is there in the form of the Crankcase Oil Mist Separator; a conceptual solution, based on Alfa Laval's proven separation technology. The invention will enable crankcase gas ventilation practically without external pollution by removing oil droplets and soot from the vent gas and return them to the oil sump instead of into the environment. It will therefore eliminate troubles for several diesel engine applications like trucks, buses, construction machines, ships and power stations. Annual world production of engines in the sizes 5 – 16 liters amounts to approximately 2.5 million. Half of these consist of commercial vehicles in Europe and the USA.

Mr. Claes Warnander, President and CEO of the Haldex group comments: "Together with Alfa Laval we are ready to bring an outstanding solution for crankcase gas cleaning to the market, which will meet future demands on cleaner diesel engines. The IAA show in Hanover, the natural meeting place for the vehicle industry worldwide, will be the perfect occasion to launch this invention."

Editor's notes:

Alfa Laval is a leading global provider of specialized products and engineering solutions. Our equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuff, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

Alfa Laval is listed on the Stockholm Exchange and has annual sales of approximately SEK 16 billion with about 9,200 employees.

Further information can be found at www.alfalaval.com

Haldex is an innovator of vehicle technology. We provide proprietary solutions in areas related to the vehicle's dynamics, performance, safety and fuel efficiency. Our systems and products are provided to manufacturers of trucks, cars, industrial vehicles and engines on a global basis.

Haldex is listed on the Stockholm Exchange and has annual sales of almost SEK 7 billion with 4,100 employees.

Further information can be found at www.haldex.com

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