



Innovative Vehicle Technology

PRESS RELEASE

Haldex unveils next generation Alfdex separator at the IAA show

Stockholm, Sweden, September 24, 2008 – **At the 62nd IAA Commercial Vehicles show, Haldex will unveil the next generation of the Alfdex oil mist separator systems for crankcase ventilation. The key features to meet tougher environmental legislation, from Euro 6 and beyond EPA10 are; significantly improved cleaning, handling of larger gas flows and the addition of electric drive.**

The Alfdex system offers the market high-efficiency removal of oil droplets and soot particles from the ventilation gas in diesel engine crankcases, also known as blow-by or crankcase gases.

Improved cleaning

The next generation Alfdex separator is up to 4 times more efficient than the existing model, and/or can handle up to 3 times as much blow-by gas.

”This is a major step towards the dream-efficiency of 100%. Thanks to a few new inventions and by optimizing almost every component in the separator we have been able to achieve such a significant improvement. I am sure this is what the engine manufacturers need to comply with Euro 6 and the regulations beyond EPA10.” says Dr. Stefan Szepessy, R&D Manager at Alfdex.

The system still uses centrifugal technology to eliminate particles down to 0.1 gram/hour or below at normal driving conditions, precisely what is needed for well functioning closed crankcase ventilation systems. At a separator speed of 7 000-8000 rpm, oil and soot particles are removed from the gas by forces of around 2 500 G’s and returned to the oil sump.

Lower energy consumption

Normally the separator is hydraulically driven by the engine lube oil system. A new option is an electric brushless motor that has significantly lower energy consumption combined with a cleaning efficiency adapted to the actual need, as well as providing on-board diagnostics through a controller-area-network (CAN-bus). Serial deliveries are expected from 2011.

Tougher legislation

Interest in the Alfdex crankcase gas cleaning system is pushed by tougher engine legislation that takes into account not only exhaust pipe discharges but also other discharges as well, e.g. crankcase gases. Korea and Japan have such legislation while the North American market

experienced similar demands when “EPA 07” took effect in January 2007. In Europe, the new Euro 6 regulation is planned as of 2013.

Expanding interest

Several of the worlds’ leading truck and engine brands have opted for the Alfdex system. Among them are e.g. Scania, Volvo, Renault, Mack, Mercedes-Benz, Freightliner, Western Star, Sterling Trucks and Navistar. Alfdex AB is firmly established as the worlds’ leading supplier of highly efficient proprietary crankcase gas cleaning solutions. //END

Alfdex is a joint-venture based on Alfa Laval’s unique knowledge of centrifugal separation and Haldex’ strong position as a supplier of proprietary vehicle technology solutions to the global vehicle industry.

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Haldex (www.haldex.com), headquartered in Stockholm, Sweden, is a provider of proprietary and innovative solutions to the global vehicle industry, with focus on products in vehicles that enhance safety, environment and vehicle dynamics. Haldex is listed on the Stockholm Stock Exchange and has annual sales of nearly 8 billion SEK with 6,000 employees.

Haldex discloses the information in this press release according to the Swedish Securities Market Act and/or the Swedish Financial Trading Act. The information was provided for public release on Wednesday, 24 September 2008.