

MAHLE fuel filter modules for EURO VI

Hanover, September 2012 – Modern injection systems for diesel engines require more and more effective wear protection. The ongoing development of current diesel fuel injection systems in order to achieve lower emissions and reduced fuel consumption has also increased the requirements for fuel preparation. Today, many commercial vehicles as well as passenger cars use economical diesel engines with common-rail high-pressure fuel injection, which require efficient water separation in addition to a high rate of particle separation. MAHLE has developed fuel filter modules for EURO VI heavy-duty applications that meet the ultrahigh requirements for particle and water separation, while simultaneously maximizing service life.

In modern diesel fuel systems, water can lead to wear in the form of corrosion, cavitation, reduced lubricity, and microbial growth, which can lead to failure of the injection system. This is the reason why injection system manufacturers only guarantee the functioning of their systems with the use of fuel that is permanently free of water. To this end, MAHLE diesel fuel filters are equipped with a highly efficient water separator and reliably prevent the occurrence of such damage, even under the more stringent conditions due to increased biodiesel content.

In addition to particle and water separation in the fuel filter, automatic disposal of the separated water is gaining in importance. That is why MAHLE has developed an automatic water disposal system, the so called BlueDrain[®] system, for diesel fuel with a high water content, which will be available in the future as both a stand-alone system and an integrated system unit in MAHLE fuel filter modules.

About MAHLE

The MAHLE Group is one of the 30 largest companies in the automotive supply industry worldwide. With its two business units Engine Systems and Components and Filtration and Engine Peripherals, MAHLE ranks among the top three systems suppliers worldwide for piston systems, cylinder components, as well as valve train, air management, and liquid management systems. MAHLE's industrial activities are combined in the Industry business unit. These include the areas of large engines, industrial filtration, as well as cooling and air conditioning systems. The Aftermarket business unit serves the independent spare parts market with MAHLE products in OE quality. In 2011, the MAHLE Group generated sales of approximately EUR 6 billion; around 49,000 employees work at over 100 production plants and eight research and development centers.

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