Vehicle chemical products as a solution suited to the current market value

Regenerating the diesel particulate filter: avoid clogging and total failure

Leutenberg, May 31, 2018 – If you only use your diesel on short journeys, you risk damaging the diesel particulate filter, which could lead to poor performance and costly repairs. Only preventive measures or a thorough cleaning can prevent the accumulation of ash and soot. Vehicle chemical products offer a good solution for the purpose that suits to the current market value.

Every day city traffic. Always just from one red traffic light to the next one. Many diesel drivers know this scenario and probably its consequences: eventually it will be there, the yellow light, indicating that the diesel particulate filter (DPF) is full. Occasionally, a few hundred kilometers are sufficient on short urban journeys, so that the soot particle filter is clogged. Because during the short drive time, the engine does not reach the optimum operating temperature that is needed for the filter to regenerate. The consequences are clearly noticeable: The car accelerates worse, the fuel consumption increases and the engine runs more frequently in the emergency program. In the long term, serious damage and costly repairs may occur. At the same time, the clogging of the diesel particulate filter can be prevented for a car life long.

Avoid soot accumulations

Jens Möller, Head of Research & Development at bluechemGROUP, explains the processes that take place in a diesel particulate filter: "In every DPF, there are two substances that accumulate over time. One is soot, the other ashes. To remove the soot, every diesel vehicle – depending on the model and manufacturer – initiates a filter regeneration every few hundred kilometers. However, 500-550 °C (932-1022 °F) are needed in the exhaust gas flow and these temperatures are not reached on short distances. Thus, it does not come to self-cleaning. "So that the failure of the particulate filter can still be avoided, Jens Möller recommends vehicle chemical solutions: "With the help of certain formulations, it is possible to reduce the ignition temperature of the collected soot, so that it is burned on short distances. Anyone who regularly adds such products to the diesel fuel can prevent the DPF from clogging in short-distance operation."

Remove ash accumulations

While soot problems are easily avoided, ash accumulations are much more difficult to remove. This substance, which accumulates in the DPF over time, can only be removed by dismantling the particulate filter. Jens Möller says: "The filter must be thoroughly rinsed so that the ash is eliminated in all corners. Here, too, there are vehicle chemical solutions that work thoroughly, but still gently." In addition, these applications are significantly cheaper and suit to the current market value than changing the soot particle filter. The installation of a new DPF is very expensive, the vehicle chemical cleaning is much more reasonably priced.

About the bluechemGROUP

The bluechemGROUP is a group of companies with global activities and partners in more than 120 countries. As an umbrella brand, it contains a wide range of chemical products for cleaning, care and maintenance in the automotive and industrial sector. The success of the group is based upon the development and patenting of consumption oriented and environmentally friendly products of highest quality expanded by modern workshop, industry and service concepts.

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