

Clean aftermarket solution for diesel cars

Bosal Retrofit Starts Production Preparations for Mercedes-Benz and Volvo SCR Technology

- General operating licence (ABE) now granted for SCR catalyst technology (nitrogen oxide reduction systems) for selected Mercedes-Benz models, too
- Bosal Retrofit GmbH preparing production ramp-up for SCR aftermarket kits
- Dr Pley and Bosal Retrofit offer an effective solution for reducing nitrogen oxides and improving city air quality

Bamberg / Viersen, 07.08.2019 – Dr Pley and Bosal Retrofit can now implement their joint vision to provide vehicle owners with an effective technical solution to counter diesel driving bans and prevent considerable depreciation in the value of their cars. Yesterday, Germany's Motor Vehicle Authority (Kraftfahrtbundesamt KBA) granted Dr Pley SCR Technology GmbH the first nationwide general operating licence for nitrogen oxide reduction systems for retrofitting selected diesel models built by Mercedes-Benz. Production to original-equipment (OE) specification and sales will be handled by Bosal Retrofit GmbH in Viersen.

The ABE applies to SCR aftermarket kits suitable for installation in selected diesel models built by automaker Mercedes-Benz. It covers the Mercedes-Benz C220cdi and C250cdi, E220cdi and E250cdi as well as the GLK220cdi and V220cdi. Information on the scope of application for this NOx reduction system (DPT-SCR-0001-V002) is available on the KBA's official website. The estimated start date for installation by specialist Mercedes-Benz dealers and trained service centres is November this year.

The KBA approval means that diesel vehicles compliant with the Euro 5 emissions standard can be retrofitted to make them more environmentally friendly. Comprehensive testing carried out by TÜV Nord in Essen demonstrated that the nitrogen oxide emissions of a retrofitted vehicle are significantly below the limit of 270 mg/km NOx stipulated by the current standard. Thanks to this new diesel catalyst technology, owners of Euro 5 diesel cars, of which the KBA estimates there are 5.6 million currently on German roads, can look forward to the option of retrofitting their cars to be more environmentally friendly in the face of expanding diesel bans.

Moreover, owners of Mercedes diesel cars in certain major urban areas can benefit from an exclusive service provided by Daimler. The Daimler Group is offering its customers the opportunity of a financial incentive to retrofit their vehicles. Diesel drivers can go to www.hw-zuschuss.daimler.com to check whether they can apply for a subsidy. In order to qualify, owners must live in the so-called focus regions where ground-level nitrogen-oxide pollution exceeds an annual average of 50 micrograms per cubic metre. Affected cities include Cologne, Frankfurt, Hamburg and Munich, as well as towns such as Limburg an der Lahn and Backnang.

Dr. Martin Pley sees the granting of the first two ABEs for cars as an extremely important milestone for the development of further systems: "Our KBA-approved retrofit system means that vehicle owners can now be exempt from driving bans, it counteracts the depreciation of used vehicles and, at the same time, can contribute to the improvement of air quality in our cities. The first two ABEs for retrofit exhaust aftertreatment systems for diesel cars make us the first and, so far, only company to demonstrate that the technical requirements for car retrofitting can be fulfilled. Based on demand, we will add further vehicle types to the development programme in Q4 2019. The cooperation with an established automotive supplier like Bosal enables us to ensure the aftermarket systems can be made available in high volumes and, above all, excellent quality."

Philippe Gandrillon, General Manager at Bosal Retrofit GmbH adds: “We are proud to be the first in Germany to produce and distribute an ABE-certified aftermarket exhaust aftertreatment system for diesel cars. We will manufacture the SCR aftermarket system at our production facilities in Belgium and Turkey. The Bosal Logistics Centre in Viersen will handle the logistics.”

More information on ordering and delivery will soon be available on www.diesel-upgrade.com.

Meet Bosal at the Frankfurt International Motor Show (IAA) 10-13 September 2019 in halle 4.1, stand E7.

About Dr Pley SCR Technology GmbH

With more than 15 years of experience in the field of catalyst-based emissions reduction, a small team led by Dr. Martin Pley is working on solving new problems to reduce pollutant emissions from combustion processes. The portfolio encompasses technical solutions for coal-fired power stations, stationary engines and small diesel engines in automotive applications.

About BOSAL RETROFIT GMBH

The Bosal Group, founded in Alkmaar (Netherlands) in 1923, is now a global supplier of automotive original equipment to major vehicle manufacturers, a producer and supplier of exhaust systems, exhaust aftertreatment components, trailer equipment, vehicle lifts and energy converters such as industrial heat exchangers. The Bosal Group employs 3,000 people at four research and development centres, ten production facilities and twelve sales centres.

Notes for editors

Definition of the acronyms “SCR / ASC module” used in the graphics:

SCR = Selective Catalytic Reduction

- The term selective catalytic reduction (SCR) refers to a technology for the reduction of nitrogen oxides in the exhaust gases produced by internal combustion engines. SCR technology introduces ammonia in the form of the carrier (AdBlue®) into the exhaust system upstream of an SCR catalyst, which selectively reduces nitrogen oxides into elementary nitrogen.

ASC = Ammonia Slip Catalyst

- ASC technology combines the function of the oxidation catalyst and the SCR catalyst to achieve better reduction of nitrogen oxides paired with minimal NH3 slip.

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Figure 1:

Mercedes E250cdi with NOx reduction system.

SCR catalyst technology from Dr Pley and Bosal Retrofit for aftermarket installation in diesel cars to reduce NOx emissions.

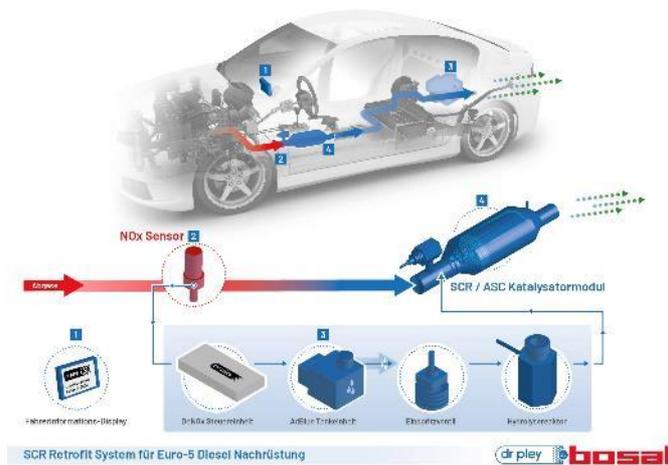


Figure 2:

SCR catalyst technology from Dr Pley and Bosal Retrofit for aftermarket installation in diesel cars to reduce NOx emissions.

In July 2019, the German Motor Vehicle Authority (KBA) issued a general operating licence (ABE) for the first aftermarket exhaust aftertreatment system for diesel cars, developed by Dr Pley SCR Technology GmbH and manufactured by Bosal Retrofit GmbH.

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