

PRESS RELEASE

ZETOR chooses HUSS in serial production

Nuremberg, 02.05.2011: The Czech tractor manufacturer Zetor and HUSS are going to cooperate in the serial production. Beginning 2012 HUSS will provide the exhaust after treatment devices for tractors in the Proxima and Forterra series. After completing the testing phase which lasted several years, both companies signed a contract for the next emission stage EURO 3B and the following stage 4 final. This customized solution is based on the well known MD-system with engine external diesel injection which is connected to the newly developed Zetor engine with exhaust gas recirculation (EGR). In contradiction to the EURO 3a standard, the emission levels for nitrogen oxides (NOx) and particulate matters (PM) are reduced simultaneously, which is achieved by the usage of after treatment devices. The engine manufactures still have the choice in 3B of coping with one of the emissions based on

engine internal measurements. The after treatment takes care of the remaining pollutant. Both kinds of emissions are interrelated negatively in the combustion process. If the result of the engine adjustments is less particles then a lot of NOx remains in the exhaust and vice versa. Following this, some engine manufactures reduce the combustion temperature and create less particles but high NOx values. This leads to the application of a SCR system. Another route to success is to take care about the NOx values engine internally, e.g. while using EGR and let a DPF system take care about the PM values. Later on, when the EURO 4 final standard is effective, both emission limits are so low, that both systems, DPF and SCR, need to be combined. Due to unsteady and various driving cycles, agricultural applications should not be underestimated and demand a close cooperation between the partners. Zetor is planning to increase the production from 3,000 units to 6,000 units over the next couple of years.



For more information please watch the website www.hussgroup.com or call Frank Christlein, Marketing Specialist HUSS Group.

HUSS Group – Professional at its best

The entire range of solutions

The *HUSS Group* companies produce high-tech and high-quality solutions for the exhaust aftertreatment of Diesel engines, with focus on both first- and retrofit, of off-road and heavy-duty applications.

CleanDieselCeramics a producer of LPS-SiC ceramic for particulate traps and *Metpela*, the specialist for noise reduction and metalworking, stand for the production facilities of the *HUSS Group*.

Retrofit solutions are represented by HUSS in Germany, Switzerland and North America as own entities. Authorized partners are located internationally to serve customer's needs. All relevant regeneration strategies, including the specifics *Active Diesel burner and Diesel Post-Injection Technology* are available from HUSS.

The *HUSS Technologies* is the ideal partner of engine and vehicle manufacturers for customized system development and integration

Complete solutions of emission reduction under one roof:

HUSS – We care for air.