

iaf 2017: Zeppelin Power Systems to showcase low-emission drive solutions for track-laying machines

Hamburg/Achim, March 14, 2017. Zeppelin Power Systems will be presenting low-emission drive solutions for track-laying machines at the iaf, the 27th International Exhibition for Track Technology, which is being held in Münster from May 30 to June 6. Solutions equipped with an exhaust aftertreatment system for remotorization and new construction projects that meet current and future emission standards will be on show at Stand 412 in the South Hall and outdoors in exhibition area A-220. These solutions include a Cat C18 EU Stage IV fitted with a particulate filter, which fulfills the latest emission requirements for use anywhere, including city centers.

The efficient and robust Caterpillar C18 diesel engine with exhaust aftertreatment system complies with the exhaust gas limits stipulated for 97/68/EC-EU Stage IV as well as being equipped for 2016/1628-EU Stage V. This means that it is also compatible with upcoming emission regulations in the rail industry.

The exhaust aftertreatment system consists of a wall-flow or “closed” exhaust particulate filter with an upstream diesel oxidation catalyst (DOC) and downstream selective catalytic reduction (SCR) that reduces nitrogen oxides (NOx) in order to meet the required thresholds. The exhaust particulate filter is cleaned every 5,000 operating hours and regenerated on the go using an active burner system.

The particulate filter boasts a filtration efficiency of over 97%, bringing the exhaust aftertreatment system in line with the requirements of the Swiss Federal Office for the Environment (FOEN) as well. The filter system also enables the engine to be used on German building sites in low-emission zones such as city centers – anywhere, in fact, with strict environmental regulations.

With an output range of between 429 and 470 kW, the six-cylinder in-line engine is also compact enough to be installed in narrow spaces and can be fitted with optional extra components such as a cooling system.

Project support from development through to commissioning

Zeppelin Power Systems provides a full range of services, from customized development, engineering, and manufacturing the drive units in the desired configuration right through to commissioning and final installation inspections.

“Our engineers implement our drive concepts in close cooperation with the customer,” says Thorsten Meyer, Sales Manager Rail Vehicles at Zeppelin Power Systems. “Of course, we also provide customized solutions, such as installing the engine in a narrow space, and take

account of special equipment like standard or rotary snowplows.”

At the iaef, the service team from Zeppelin Power Systems will be showcasing its comprehensive range of services for rail vehicles both at its stand in the South Hall and outdoors in exhibition area A-220.

The team will give information about customized inspection and servicing plans with detailed servicing documentation and a thorough status analysis for prevention and early detection to ensure that rail vehicles run reliably. This includes extensive availability of spare parts and global service coverage via its network of Caterpillar dealers.

Images:



Caption: The Cat C18 engine with cooling system and particulate filter complies with Stage IV exhaust gas limits as well as being equipped for Stage V.

This press release may be reproduced free of charge. Please notify us or send us a copy for our records.

About Zeppelin Power Systems

Zeppelin Power Systems is the official partner of Caterpillar for Cat, MaK and EMD engines and a leading provider of drive, propulsion, traction and energy systems and has been partnering with Caterpillar for 60 years. With about 800 employees, Zeppelin Power Systems offers their customers individual, highly efficient system solutions with comprehensive services for industrial and marine applications, the oil and gas industry, rail vehicles and power generation.

About Zeppelin GmbH

The Zeppelin Group operates 190 sites around the world. In the 2015 fiscal year, its 7,800 employees generated sales of over 2.3 billion euros. Group-wide collaboration in the Zeppelin Group revolves around a management holding company and six strategic business units: Construction Equipment EU (sales and servicing of construction machines), Construction Equipment CIS (sales and servicing of construction and agricultural machines), Rental (rental and project solutions for the construction and industry sectors), Power Systems (drive, propulsion, traction, and energy systems) and Plant Engineering (engineering and plant engineering) as well as Digital Services and Solutions (new digital business models). Zeppelin GmbH is the Group holding company. It is legally domiciled in Friedrichshafen and has its head office in Garching near Munich, Germany. For more information, please visit www.zeppelin.com.

Zeppelin Power Systems GmbH & Co. KG
Ruhrstrasse 158
22761 Hamburg

Christina Roos
Phone: +49 40 85 31 51 - 742
Fax: +49 40 85 31 51 - 48
E-mail: christina.roos@zeppelin.com
www.zeppelin-powersystems.com