

Media Release

Voith GmbH & Co. KGaA
Group Communications
St. Pöltener Straße 43
89522 Heidenheim, Germany
Tel. +49 7321 37-8303
Fax +49 7321 37-7110
www.voith.com

Voith and Liebherr Sign Cooperation Agreement for the Development, Distribution and Service of Diesel Engines for Rail Vehicles

2017-12-13

- **This cooperation brings Voith's know-how in the rail industry together with Liebherr's long-standing experience in engine manufacturing**
- **Diesel engines are compliant with globally applicable exhaust gas regulations, including the exhaust standard "Stage V" for rail vehicles in the European Union**

Voith and Liebherr enter a cooperative partnership for the development, distribution and service of modern diesel engines for rail vehicles. Liebherr Machines Bulle SA (Switzerland) and Voith Turbo GmbH & Co. KG (Germany) signed a corresponding cooperation agreement in September 2017. Within the context of this agreement, Liebherr will in future supply several versions of its basic engine in the 500 kW power class as well as components for the exhaust gas aftertreatment system. The basis for this is the latest generation of a 6-cylinder in-line engine from Liebherr.

In the course of the cooperation, Voith, as a supplier of RailPacks, will be taking over responsibility for the diesel engine and exhaust gas aftertreatment system. Voith RailPacks are compact drive systems designed for railcars or special rail vehicles, comprising a diesel engine with an exhaust gas aftertreatment system, a transmission or generator and a cooling system as their main components. In addition, Voith will also be offering the engines as low-emissions drive solutions for a number of other rail vehicle applications. This means that Voith not only takes over responsibility for the overall system, but also for global distribution and servicing of the rail engines.

“By cooperating with Liebherr, we are offering our customers a modern and future-oriented solution for diesel engines in rail technology in conjunction with our new hydro-mechanical transmission,” explains Cornelius Weitzmann, Executive Vice President & CEO Mobility of the Voith Turbo GmbH & Co. KG. “Together, we will achieve compliance with future exhaust gas regulations in rail traffic and thus make our contribution to higher efficiency and sustainability.”

Voith GmbH & Co. KGaA
Group Communications
St. Pöltener Straße 43
89522 Heidenheim, Deutschland
Tel. +49 7321 37-8303
Fax +49 7321 37-7110
www.voith.com

Page 2 of 3

“With this new development, both long-established companies reaffirm their technological leadership positions,” says Rudolf Ellensohn, Director Combustion Engines of the Liebherr Machines Bulle SA. “We are particularly proud that our product is already so trusted, even today, and that we are able to meet the specific requirements of the rail traffic sector.”

About Voith Turbo

Voith Turbo, a Group Division of Voith, is a specialist for intelligent drive solutions, systems and comprehensive services. Customers from highly diverse industries such as oil and gas, energy, rail and commercial vehicles, ship technology, mining and mechanical engineering rely on the advanced technologies and solutions-driven expertise of Voith Turbo.

About Voith

Voith is a global technology group. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, Voith today has more than 19,000 employees, sales of €4.2 billion and locations in over 60 countries worldwide and is thus one of the largest family-owned companies in Europe.

About Liebherr

Founded in 1949, Liebherr is not only one of the world's largest manufacturers of construction machinery, but also an expert and market leader in many other industries. The company's eleven divisions cover numerous industry segments, including mining, high-performance cranes, concrete technology, machine tools and automation systems, aerospace and transportation systems, domestic appliances, and hotels. The components division comprises 20 product lines from the areas of mechanical, hydraulic and electrical drive system and control technology,

which are produced in ten production sites worldwide. Diesel engines were added to the product portfolio in 1984. For additional information, please visit www.liebherr.com.

Voith GmbH & Co. KGaA
Group Communications
St. Pöltener Straße 43
89522 Heidenheim, Deutschland
Tel. +49 7321 37-8303
Fax +49 7321 37-7110
www.voith.com



Page 3 of 3

New "Stage V" vertical diesel engine D966 by Liebherr for Rail Vehicles.

Contact Voith:

Robin Wankerl

Global Market Communication Manager

Tel. +49 7321 37-8303

Robin.Wankerl@voith.com

www.voith.com

Contact Liebherr:

Alexandra Nolde

Senior Communication & Media Specialist

Tel. +41 56 296 43 26

Alexandra.Nolde@liebherr.com

www.liebherr.com/components

Twitter

<https://twitter.com/voithgroup>

https://twitter.com/voith_hydro

https://twitter.com/voith_paper

https://twitter.com/voith_turbo

https://twitter.com/Voith_DS

https://twitter.com/Voith_Career

Instagram

<https://www.instagram.com/voithgroup/>

LinkedIn

<https://www.linkedin.com/company/voithgroup>

<https://www.linkedin.com/company/voith-hydro>

<https://www.linkedin.com/company/voith-turbo>

<https://www.linkedin.com/company/voith-paper>

<https://www.linkedin.com/company/voith-digital-solutions>

Facebook

<https://www.facebook.com/VoithGlobal/>

YouTube

<https://www.youtube.com/user/VoithTurboOfficial>

<https://www.youtube.com/user/VoithPaperEN>

https://www.youtube.com/c/Voith_Hydro