

## PRESS INFORMATION

# Bosch Rexroth and TotalEnergies want to advance alternative, more sustainable hydraulic fluids

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- Letter of intent on cooperation signed
- Focus on benefits for environment and entire industry



At the signing in Lyon: Dr. Steffen Haack, CEO of Bosch Rexroth (at the table, right), Rainer Keiemburg, Vice President Greases & Specialties, TotalEnergies Lubricants (at the table, left).

**Bosch Rexroth and TotalEnergies want to cooperate more closely in the development, qualification, introduction and marketing of water-based hydraulic fluids with the emphasis on sustainability, fire-resistance and performance. A letter of intent to this end was signed in Lyon, France on December 18.**

The planned collaboration will focus on more sustainable water-containing, bio-degradable and fire-resistant alternatives to mineral oil based hydraulic fluids. They shall thus be more environmentally friendly and safer than previous solutions while offering comparable performance.

“Taking this step in the spirit of our responsibility as a leading hydraulics specialist, we are driving the development towards sustainability also in the field of hydraulic fluids. To this end, TotalEnergies is a first partner with whom we are working on sustainable alternatives to mineral oil based hydraulic fluids. They shall be widely available in the market”, says Dr. Steffen Haack, CEO of Bosch Rexroth.

As part of the planned non-exclusive collaboration, Bosch Rexroth will be responsible for defining the requirements for the respective fluids and for testing, qualifying and certifying them accordingly. The hydraulics specialist leading in many areas will also contribute its market access. TotalEnergies, a leading global supplier of hydraulic fluids and other products, develops and distributes the fluids. Together, the companies also want to contribute to the

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necessary standardization work and develop business models. The goal: qualified, certified, more sustainable alternatives to mineral oil based fluids – for the entire industry.

### Basic Information Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries more than 32,000 associates generated sales revenue of around 7.0 billion euros in 2022.

### Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 421,000 associates worldwide (as of December 31, 2022). The company generated sales of 88.2 billion euros in 2022. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 136 locations across the globe, Bosch employs some 85,500 associates in research and development, of which nearly 44,000 are software engineers.

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