

Press Release

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Cost Savings through Specially-Designed Hydraulic Power Packs

2015-11-11

Rutesheim, Germany: The investment in particularly quiet hydraulic power packs from Voith is paying off for system operators. The noise emissions from the power units are generally well below the limits specified in workplace guidelines, eliminating the need for costly noise reduction measures. Voith relies on low noise electric motors for its designs. In addition, the units use internal gear pumps that are also characterized by their low noise emissions – hydraulic power packs from Voith are "whispering power units".

Engineering Partner with Extensive Know-How

The low noise levels, however, are only one of the many ways in which a Voith hydraulic power pack helps to reduce costs. Starting already at the consulting and planning phase, Voith is an engineering partner. Voith engineers bring the collected expertise of approximately 5,000 planned and constructed units to the design work. To date, power units with a tank volume of 30 to 7,500 liters and a maximum operating pressure of 20 to 315 bar have been implemented, both with and without cooling. This technical knowledge not only speeds up the development of products, but also leads to cost-effective manufacturing.

Specially-Designed according to Customer Requirements

The engineering knowledge also flows into the individual design of the power packs. Every unit is adapted optimally to the requirements of the machine or system. Data on flow rates, pressures, loads or the heat balance in the system are important design fundamentals. As required, accumulator charging technology, variable speed drives or multiple pressure circuits can also be integrated. Efficiency improvements to the entire hydraulic system can be realized by the internal gear pumps used by Voith.

Cost-Effective Integration Possible

The optimized design ensures low energy consumption, requires little installation space and comes with a low cooling capacity. The unit's low connected load also ensures manageable infrastructure costs for the energy supply. A hydraulic power pack from Voith therefore reduces the system's operating costs. A further benefit: The engineers always take care to implement a sleek and simple design which minimizes the number of components and interfaces, thereby increasing reliability and availability. In this way the units can be integrated into existing systems more easily and with greater cost effectiveness.

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Caption 1: Specially-designed hydraulic power pack from Voith.

Voith Turbo H + L Hydraulic is a subsidiary of Voith Turbo. Voith Turbo, a Group Division of Voith GmbH, is a specialist for intelligent drive solutions and systems. Customers from highly diverse industries such as oil and gas, energy, mining and metal processing, mechanical engineering, ship technology, rail and commercial vehicles rely on advanced technologies from Voith Turbo.

Voith sets standards in the markets energy, oil & gas, paper, raw materials and transportation & automotive. Founded in 1867, Voith employs almost 39 000 people, generates EUR 5.3 billion in sales, operates in about 50 countries around the world and is today one of the largest family-owned companies in Europe.

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