New oil cleanliness manual addresses contamination in hydraulic systems

Bosch Rexroth has published a new booklet to help technicians determine sources of problems with hydraulic systems and understand the basics of contamination control and recognize the importance of good filtration practices.

As the central component of any hydraulic system, oil contamination is often a major reason for system failure. More than 75 percent of all problems can be linked to contaminated oil, so monitoring oil cleanliness and preventing contamination are some of the most important factors in preventing system downtime and the need for costly repairs and component replacement.

A new oil cleanliness booklet published by Bosch Rexroth explores the sources of problems with fluid systems, common types of oil contamination, and how to achieve oil cleanliness in accordance with ISO 4406.

Additional key concepts include:

1. Overview of key filter properties – covers filtration grade, dirt absorption capacity and differential pressure
2. Fitting tolerance of hydraulic components – includes gear pumps, vane pumps, piston pumps, servo valves and control valves
3. Recommended oil cleanliness level – examines requirements in accordance with ISO 4406 for different application types and suggests filter material/filtration grades

The 44-page pocket-sized booklet, which is printed on oil-resistant paper, recommends ongoing monitoring and maintenance strategies to proactively diagnose and solve problems before they result in system failure. Additionally, more than a dozen Rexroth products, including an assortment of filters, monitors and testing equipment, are profiled to present a variety of solutions ensuring system uptime by preventing negative incidents and diagnosing potential issues before they become problems.

Visit www.boschrexroth-us.com/filter to order a free copy of the booklet.

For more information on other Rexroth solutions and expertise, visit www.boschrexroth-us.com.

Bosch Rexroth AG is one of the world’s leading specialists in the field of drive and control technologies. Under the Rexroth brand name, the company supplies more than 500,000 customers with tailored solutions for driving, controlling, and moving. Bosch Rexroth is a partner for Mobile Applications, Machinery Applications and Engineering, Factory Automation and Renewable Energies. The company provides customized solutions tailored to the needs and specifications of each individual market. As The Drive & Control Company, Bosch Rexroth develops, produces, and sells components and systems in over 80 countries. As part of the Bosch Group, Bosch Rexroth and its 38,400 associates generated approximately 6.4 billion euros ($8.9 billion) in revenue in 2011.

To learn more, please visit www.boschrexroth-us.com.

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sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Bosch spent more than 4 billion euros ($5.5 billion) for research and development in 2011, and applied for over 4,100 patents worldwide. With all its products and services, Bosch enhances the quality of life by providing solutions which are both innovative and beneficial. Further information is available online at www.bosch.com and www.bosch-press.com.

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