Written by Amanda Martyka, Assistant Editor
Wednesday, 01 July 2009 19:30

Energy-Efficient Hydraulic Fluid

Shell Lubricants has added a new lubricant to its Shell Tellus hydraulic oil range that can help increase the energy efficiency of hydraulic systems. Based on customer-reported and Shell-managed evaluations, the Shell Tellus EE has been shown to help companies reduce the energy consumption of their hydraulic machinery by an average of 8%, while also providing equipment protection and the capability of extending oil maintenance intervals.

Shell Tellus EE is the company's first synthetic hydraulic fluid that has been specifically designed to help improve the energy efficiency of the machinery in which it is used. The fluid contains a unique and patented additive technology, and has undergone extensive laboratory tests and field trials that have demonstrated its ability to help improve a machine's energy efficiency. With hydraulics being at the core of many production processes, Shell Tellus EE has the potential to contribute to the goal of reducing an organization's energy costs.

"Energy costs will continue to represent a significant part of an industrial organization's operating overhead for the foreseeable future," said Dennis Woodley, Shell Hydraulics Product Application Specialist. "As a result, investing in a hydraulic lubricant designed to both help improve the energy efficiency of the machinery in which it is used and reduce the maintenance costs makes good sense from a commercial perspective."

Shell Lubricants
Houston, TX

For more info, enter 30 at www.LMTfreeinfo.com

Single-Source Services For Mixers

It's a matter of sustainability. Although capital budgets aren't what they used to be, plant operators are still expected to deliver peak performance and maximum output while lowering energy and operational costs. That's where the Philadelphia Mixing Solutions "Service All Mixers (SAM)" program comes in. SAM lets operators do more with less by helping them leverage their investment in existing equipment, solve their most complex mixing challenges and increase the overall financial health of their plants. According to Philadelphia Mixing Solutions, its SAM offering is the only service that allows plant operators to work with a single company for scheduled mixer upkeep, planned upgrades or emergency repairs, regardless of who manufactured the mixer. Among other things, within the scope of the program, complete evaluations of mixer conditions, such as age, service history, oil analysis, etc., are conducted. Based on results, a detailed report of recommended actions to improve the performance and extend the life of the equipment is generated. Additionally, three-year warranties are provided for all repair work. True root-cause failure analyses—*a veritable "CSI" for mixer performance*—identify mechanical failures in the context of process conditions to help customers eliminate downtime and promote higher levels of performance
and repeat.

Philadelphia Mixing Solutions
Palmyra, PA

For more info, enter 31 at www.LMTfreeinfo.com

Exxonmobil begins biofuels program

ExxonMobil has entered into a new alliance with biotech company Synthetic Genomics Inc. (SGI) to research and develop next generation biofuels from photosynthetic algae. ExxonMobil's engineering and scientific expertise will be utilized throughout the program, from the development of systems to increase the scale of algae production through the manufacturing of finished fuels. "While significant work and years of research and development still must be completed, if successful, algae-based fuels could help meet the world's growing demand for transportation fuel while reducing greenhouse gas emissions," said Michael Dolan, senior vice president of ExxonMobil. Under the program, if research and development milestones are successfully met, ExxonMobil expects to spend more than $600 million, which includes $300 million in internal costs and potentially more than $300 million to SGI. The company has invested more than $1.5 billion over the past five years on activities that improve energy efficiency and reduce greenhouse gas emissions.

ExxonMobil
Irving, TX

For more info, enter 32 at www.LMTfreeinfo.com

GE Plans $100M R&D Facility

GE recently announced plans to build a $100 million research center in Michigan, about 25 miles from Detroit. The new Advanced Manufacturing and Software Technology Center will include a research and development component that will be part of GE's Global Research network (which is headquartered in Niskayuna, NY). The state of Michigan is providing $60 million in incentives over 12 years for the project. The center is set to open later this year and is expected to employ more than 1100 people within the next few years. They'll work there to help develop new manufacturing technologies for GE's renewable energy, aircraft engine, gas turbine and other products. Work on smart grid technologies, software development, networking and program management are some of the other fields to be targeted. "Michigan is well positioned to be a leader in advanced manufacturing and development of green technologies," said U.S. Senator Carl Levin. "This facility will take advantage of our state's strengths and keep us on the forefront of these critical emerging industries."

For more info, enter 33 at www.LMTfreeinfo.com

Joomla SEO powered by JoomSEF