Lubrication Engineers Reinforces Hydraulic Oil Support for Heavy Equipment

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Lubrication Engineers, a manufacturer of high-performance industrial lubricants, announces continued access to a comprehensive line of hydraulic oils designed to support reliable operation across mobile and stationary equipment. The company offers formulations engineered to protect hydraulic systems used in construction, mining, forestry, food processing, water treatment, and other demanding environments where uptime, equipment longevity and fluid performance are central operational concerns.

The product line spans multiple viscosity grades and chemistries to match a wide range of operating conditions. Equipower Hydraulic Oil and Equipower Ultra Hydraulic Oil are available in ISO grades 32, 46 and 68 for general mobile and stationary use, while Equipower Ultra HVI Hydraulic Oil is formulated for systems exposed to fluctuating temperatures. For heavy-duty mobile hydraulic systems, the company offers Equipower Ultra HD Hydraulic Oil in a 10W grade engineered to withstand high-load conditions found in construction equipment and utility service boom trucks.

For stationary hydraulic and industrial circulation systems, the lineup includes Multilec Industrial Oil, available in seven viscosity grades from ISO 32 to ISO 320, and Monolec Syn Industrial Oil, a fully synthetic option

offered in nine grades ranging from ISO 32 to ISO 680. Specialized products such as Low Tox Hydraulic Oil address environmentally sensitive applications, and the H1 Quinplex White and Synthetic Food Grade Hydraulic Oils carry NSF H1 registration for incidental food contact in processing and packaging operations.

Central to the company's hydraulic oil portfolio is its proprietary Monolec wear-reducing additive technology, which creates a single molecular lubricating film on metal surfaces. The additive helps reduce friction and heat while increasing film strength, contributing to extended component life in pumps, valves, cylinders and motors. The formulations are also designed to deliver water separation, rust prevention, thermal stability, oxidative stability, and hydrolytic stability under continuous operation.

"Hydraulic systems are at the heart of countless industrial and mobile operations, and the fluid inside them does far more than transmit power," said John Sander, Vice President of Research and Development at Lubrication Engineers. "Our hydraulic oils are formulated to protect critical components, manage heat, resist contamination, and extend service intervals so that operators can keep equipment running productively in challenging conditions."

Lubrication Engineers hydraulic oil is positioned as a long-life option that supports preventive maintenance programs through used oil analysis. By monitoring fluid condition over time, maintenance teams can identify potential issues before they lead to component failure and can extend drain intervals when laboratory results confirm that the oil remains within service limits. This analytical approach aligns with broader industry interest in condition-based maintenance, total cost of ownership reduction, and sustainability through reduced lubricant consumption and disposal.

The company's hydraulic oil offerings are used across a broad range of equipment, including construction machinery, forklifts, well service equipment, forestry and logging equipment, in-plant hydraulic power units, flood control systems, offshore installations, mining operations, and dredging equipment. Each application places different demands on the lubricant, from extreme cold starts and wide temperature swings to constant high-pressure cycling, exposure to water, or proximity to food production lines.

Sander noted that selecting the correct hydraulic oil involves more than matching a viscosity grade. "Operating temperature range, system pressure, filtration capability, environmental considerations, and regulatory requirements all factor into the right choice," he said. "Our team works with customers to evaluate their equipment, conditions and goals so that the recommended product genuinely fits the application rather than offering a generic solution."

In addition to product formulation, Lubrication Engineers provides supporting services that include lubrication consulting, oil analysis, contamination control guidance, and training for maintenance personnel. These resources are intended to help facilities and fleet operators implement reliability-focused lubrication

programs, reduce unplanned downtime, and improve hydraulic system efficiency over the long term.

The hydraulic oil category sits within a broader portfolio of industrial lubricants, greases and specialty fluids manufactured by Lubrication Engineers for sectors including manufacturing, energy, transportation, agriculture, and municipal services. The company emphasizes performance testing, additive technology, and field application support as core elements of its approach to industrial lubrication.

For more information about hydraulic oils, including product flyers, technical data, safety data sheets, product recommendations and application guidance, visit lelubricants.com.

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Lubrication Engineers

Lubrication Engineers is a trusted lubrication reliability partner to companies world-wide, with 100-plus employees, nearly 100 independent consultants across the United States, and distributors in more than 60 countries.

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