Lubrication Engineers Urges Companies to Check Their Hydraulic Oil for the New Year

December 26, 2024

WICHITA, KS - December 26, 2024 -

As businesses prepare for a new year, Lubrication Engineers, a leader in high-performance lubrication solutions, is urging companies to assess the condition of their hydraulic systems and ensure they are using the correct hydraulic oil for optimal performance. Regular hydraulic oil maintenance and evaluation are essential to keep equipment running efficiently, prevent costly downtime, and extend machinery life.

Hydraulic systems are the backbone of many industries, powering critical operations across manufacturing, construction, transportation, and more. However, without proper maintenance and the correct Lubrication Engineers hydraulic oil, these systems can suffer from reduced efficiency, increased wear, and unplanned failures. Lubrication Engineers highlights that the start of the year is the perfect time for businesses to review their lubrication programs and address any potential issues before they escalate.

John Sander, vice president of R&D at Lubrication Engineers, emphasized the importance of hydraulic oil maintenance. ?Hydraulic systems rely on clean, high-quality oil to function effectively. Over time, contaminants such as water, dirt and oxidation byproducts can degrade oil performance, leading to system inefficiencies and equipment damage. Starting the year with a proactive oil check ensures systems are ready

to deliver reliable performance.?

One of the key considerations for companies is assessing the cleanliness and condition of the hydraulic oil already in use. Contaminated oil can result in abrasive wear, corrosion and sludge formation, all of which compromise system performance. Lubrication Engineers advises businesses to implement regular oil analysis as part of their maintenance routine. This allows for early detection of potential problems, such as excessive wear or contamination, enabling corrective action before equipment is affected.

Selecting the correct hydraulic oil is equally critical to system longevity and efficiency. Lubrication Engineers offers a range of premium hydraulic oils, including products featuring its proprietary Monolec® additive technology. Monolec, a wear-reducing additive, creates a strong molecular film on metal surfaces to minimize friction and protect components from wear. This advanced technology helps hydraulic systems perform more reliably under heavy loads and in demanding conditions.

High-performance hydraulic oils from Lubrication Engineers also feature superior water separation, oxidation resistance and thermal stability, ensuring they perform consistently even under challenging environments. These features are essential for reducing sludge buildup, preventing rust and maintaining optimal fluid flow through the hydraulic system.

?The right hydraulic oil does more than lubricate?it protects, cools and powers the system,? Sander added. ?Using premium products like our Monolec hydraulic oils, businesses can improve efficiency, reduce maintenance costs and extend equipment life. The start of the year is an ideal time to evaluate oil performance and make adjustments where needed.?

LE also stresses that a comprehensive hydraulic oil maintenance plan should include monitoring viscosity, a critical property that determines how effectively oil can flow through a hydraulic system. Changes in viscosity can occur due to oxidation, contamination or temperature fluctuations, leading to reduced system efficiency and increased wear. Regular checks can ensure oil viscosity remains within optimal parameters for peak performance.

Another factor to consider is the importance of system cleanliness. Dirt, moisture and other contaminants can enter hydraulic systems during operation or from improperly sealed reservoirs. Lubrication Engineers recommends companies check hydraulic filters, inspect seals for leaks and ensure that oil reservoirs are properly sealed to prevent contamination.

In addition to regular inspections, businesses are encouraged to partner with experienced lubrication specialists who can provide tailored solutions for their specific hydraulic system needs. Lubrication Engineers offers expert support, including oil analysis services, product recommendations and maintenance planning,

helping companies keep their equipment operating at peak efficiency.

By taking a proactive approach to hydraulic oil maintenance, businesses can avoid costly breakdowns and unnecessary repairs. Properly maintained systems not only operate more efficiently but also consume less energy, leading to cost savings over time. High-quality oils, like those offered by Lubrication Engineers, are designed to maximize system performance and reliability, ensuring businesses achieve their operational goals for the new year.

Lubrication Engineers? extensive range of hydraulic oils is trusted across industries for their performance, longevity and protection capabilities. The company's advanced formulations, such as Monolec hydraulic oils, help businesses minimize wear, reduce downtime and extend the life of critical equipment.

?Hydraulic systems play a vital role in many operations, and oil is the lifeblood of those systems,? Sander concluded. ?By starting the year with an oil assessment and switching to premium hydraulic oil solutions, companies can set themselves up for success in the months ahead. Our team is here to help businesses get the most out of their systems through expert support and reliable products.?

Lubrication Engineers remains committed to helping businesses improve equipment performance and reliability through advanced lubrication solutions. With a strong focus on quality, innovation and customer support, the company continues to be a trusted partner for businesses seeking dependable lubrication products and services.

For more information on hydraulic oil solutions from Lubrication Engineers, visit the LE website.

About Lubrication Engineers
Lubrication Engineers is a global leader in high-performance lubricants and reliability solutions, providing premium oils, greases and industrial lubrication expertise to a variety of industries. With decades of experience and a commitment to innovation, the company helps businesses improve equipment performance, reduce downtime and extend the life of critical machinery.
###
For more information about Lubrication Engineers, contact the company here:Lubrication EngineersAnn Walden800-537-7683info@le-inc.com1919 E. Tulsa Wichita, KS 67216

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.

Website: https://lelubricants.com/

Email: info@le-inc.com

Phone: 800-537-7683