

For immediate release

1/28/2019

Yama Olumi
Global Communications
Manager

Phone +1 215 706 5825
Fax +1 215 706 5801
yama.olumi@evonik.com

Efficiency improves at work **Evonik shows how DYNAVIS® and NUFLUX™ technologies make** **construction and mining equipment better at bauma 2019**

Darmstadt, Germany, January 2019 - Construction machine manufacturers will do almost anything to optimize the productivity and service life of their machines, and lubricants are typically not a factor in this process. *“That’s wrong!”* says Rolf Fianke, Global Brand Manager DYNAVIS® & NUFLUX™, technology brands of the business line Oil Additives at Evonik. *“The Oil Additives specialists at Evonik will help visitors at bauma see that fluids formulated with DYNAVIS® and NUFLUX™ technologies are what their machines have been missing.”*

Evonik, a German specialty chemicals company, presents two of their leading technology solutions at bauma – hall A3, stand number 244, April 8-14, 2019 in Munich: DYNAVIS® technology optimizes the viscosity of hydraulic fluids; and industrial gear oil formulations based on NUFLUX™ technology perform as well as synthetic based fluids, at a lower cost.

Higher productivity and a longer service life with DYNAVIS® technology.

DYNAVIS® is a technology for formulating hydraulic fluids, optimizing their viscosity. By changing from a standard hydraulic fluid to one formulated with DYNAVIS® technology generates many benefits, including increases in machine productivity and improved fuel efficiency. Additional benefits include the machines operating more efficiently, reacting better, needing less frequent service, and suffering less wear and tear, ultimately extending their effective service life. And, this pays off quickly, most notably in extremely demanding applications, while also assuring higher returns, lower energy consumption and reduced CO2 emissions.

Performance demonstrations show up to 20% or more improved efficiency!

Lubricants formulated with DYNAVIS® technology typically achieve efficiency gains at a minimum of 5-15%, which have been documented through a number of performance demonstrations over the past five years. This includes not only internal field tests, but in tough, real-world situations globally. Companies who

For immediate release

focus on mining, road construction, demolition, or earth-moving have realized increased profits, with peak efficiency gains reaching up to 25%.



A current DYNAVIS® test project: HITACHI EX1200 crawler excavator in the Kuznetsk Basin, Russia. A hydraulic fluid formulated using DYNAVIS® technology yielded productivity growth (cbm³/h) in coal extraction measured at 7.9%.

NUFLUX™

The conditions of a harsh operating environment and high-performance expectations prove that while conventional gear oils are adequate at fulfilling technical performance requirements, synthetic gear oils provide the advantage of longer service intervals and equipment service life – but at a higher cost. NUFLUX™, Evonik's innovative technology, enables lubricant companies to formulate industrial gear oils which not only deliver benefits such as long service life and lower operating temperature, but are also cost efficient.

Oils formulated with NUFLUX™ technology are largely equivalent to synthetic lubricants, and even surpass them in some respects. In fact, during a recent field trial in a pump gear in South Africa, a higher degree of efficiency was measured that promises to pay off. This made the decision of the Treatment Plant easier to fill 26 of their gears in the water treatment system with NUFLUX™ formulated oil.

For immediate release



*George Drawing, Head of Treatment Plant in Sebokeng:
“Electricity is our biggest cost factor. We could save 272,000 rand (approx. EUR 17,500) a month. We’re thinking about filling all the aerator gears with NUFLUX™.”*

“Because fluid formulation plays an important role in equipment productivity and machine life, it shouldn’t only be important to formulators,” Fianke continued. “Fluids formulated with DYNAVIS® and NUFLUX™ technologies will demonstrate tangible productivity and efficiency gains in the construction and mining sectors, and the best place to learn about this is at bauma.”

bauma is the world's leading gathering for the construction machinery industry. The world's largest trade fair presents captivating highlights and the latest pioneering innovations.

For more information on Evonik’s DYNAVIS® and NUFLUX™ technologies, visit hall A3, stand number 244 while attending bauma 2019, or visit www.evonik.com/oil-additives.

About Evonik

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-oriented innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik’s corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world with more than 36,000 employees. In fiscal 2018, the enterprise generated sales of €15 billion and an operating profit (adjusted EBITDA) of €2.6 billion.

Evonik offers a wide range of additives and synthetic base oils for the lubricant industry under its tradenames VISCOPLEX® and VISCOBASE®. VISCOPLEX® and VISCOBASE® are a trademark of Evonik Industries AG. All other trademarks are the property of their respective owners.

Disclaimer

In so far as forecasts or expectations are expressed in this press release or where our statements concern the future, these forecasts, expectations or statements may involve known or unknown risks and uncertainties. Actual results or developments may vary, depending on changes in the operating environment. Neither Evonik Industries

Press release



For immediate release

AG nor its group companies assume an obligation to update the forecasts, expectations or statements contained in this release.