

PRESS RELEASE

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For Immediate Use

Häggglunds drives promise mining productivity – and new possibilities



Häggglunds drives withstand high shock loads and are ideal in numerous industries, including mining and material handling. (Image source: Häggglunds Mellansel, Sweden)

Häggglunds hydraulic drive systems are a familiar presence in the mining and mineral processing industries, as well as in related materials handling applications. Compact, gearless and utterly reliable, they offer significant advantages over their electromechanical counterparts. Those advantages continue to grow stronger, and the range of possibilities they create is set to expand.

Tough solutions to key mining challenges

In many ways, mining applications are an ideal showcase for hydraulic drive strengths. Few other industries expose drive systems to such harsh and unpredictable conditions – or demand as much control over torque and speed. Häggglunds drive systems take both challenges in stride, allowing mines to secure equipment uptime and significantly boost their productivity.

Protected from dust and grit by their closed design, Häggglunds drive systems also withstand shock loads without overdimensioning. Their built-in pressure limiting mitigates unexpected torque peaks, which reduces maintenance

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burden and prolongs the life of bearings, belts and chains. At the same time, the drives can supply and sustain an unprecedented amount of output torque for their size, giving operators full-torque capabilities from zero to maximum speed.

In practice, this means Hägglunds drives can start up, hold or reverse in loaded condition without any risk of overheating. Since no gears are involved, they provide instant response and an infinite number of speeds to work with throughout their range. In combination, these features let miners adapt to ore characteristics, optimize feed rates or inch equipment along for inspection.

Unique opportunities for even more applications

What makes Hägglunds drive systems still more remarkable is their high flexibility. The hydraulic motors themselves are compact and lightweight, and no foundations or gearboxes are needed. On a bucket wheel reclaimer, for example, the high-torque motor can be located on the wheel shaft while the drive unit is placed off the boom, allowing for a lighter construction with less counterweight.

Soon that flexibility will extend to an even wider range of applications – mobile as well as stationary. New Hägglunds motor developments promise to push the envelope in multiple directions, reducing size and weight further while expanding performance capabilities. The Hägglunds Quantum motor range will be revealed on March 14th when the CONEXPO-CON/AGG 2023 exhibition begins in Las Vegas - Booth S80215.

“In March, Hägglunds will open the door to a truly exceptional domain – the Quantum domain,” says Wolfram Ulrich, Vice President of Sales, Hägglunds. “Customers will discover key advantages that have been hidden in plain sight. But they will also find new possibilities to bend the laws of size, strength and speed. Those can mean a sharper edge for mining operations.”

For more information: www.boschrexroth-us.com/hagglunds.
Hägglunds at CONEXPO/IFPE: www.boschrexroth-us.com/conexpo-ifpe

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About Häggglunds:

Häggglunds stands for groundbreaking direct hydraulic drive technology and unwavering customer focus. Engineered and manufactured in Mellansel, Sweden, Häggglunds hydraulic motors and compact direct drive systems provide superior torque performance, flexibility, and reliability to customers worldwide.

Häggglunds is a brand of Bosch Rexroth, a leading global supplier of drive and control technologies. To learn more about Häggglunds solutions, visit www.boschrexroth-us.com/hagglunds.

About Bosch Rexroth:

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 31,000 associates generated sales revenue of around 6.2 billion euros in 2021. To learn more, please visit www.boschrexroth-us.com.

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