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## SKF solutions at Bauma 2016 help customers to build reliability in and take costs out

At the Bauma 2016 trade fair (Munich, 11 – 17 April), SKF will demonstrate a comprehensive range of solutions designed to extend the working life of equipment, improve efficiency and reduce unplanned downtime in the mining and construction machinery sectors.

Gothenburg, Sweden, 1 February 2016: SKF will use Bauma 2016 to showcase some of the innovations resulting from its wide-ranging SKF EnCompass Field Performance Programme, which helps to make more informed decisions about which bearings to use for the intended application and environment. At the heart of SKF EnCompass is the new SKF Generalized Bearing Life Model. This model separates sub-surface and surface failure modes to provide even more insight into bearing rating life and the key parameters for improving performance in the field. This knowledge is being integrated into a new generation of SKF bearing selection tools.

A featured bearing solution is the upgraded SKF Explorer spherical roller bearing. With improvements such as surface finishes and heat treatment, upgraded SKF Explorer spherical roller bearings can have a service life twice that of the previous industry-leading SKF Explorer bearings, especially under contaminated or poor lubrication conditions.

Another solution for the mining and construction industry is the range of SKF Explorer steel/steel plain bearings. With improved corrosion resistance, heavy-duty sealing and a relubrication-free design, these bearings now have a dynamic load rating 50 percent higher than conventional steel/steel bearings, and can last significantly longer than even regularly relubricated conventional bearings in applications with low to moderate contamination levels.

A demonstration of SKF's integrated approach to real industry issues is its range of solutions for conveyors, including the three-barrier solution, SE housings and sealed spherical roller bearings for extended service life in tough conditions. The hand-held SKF idler sound monitor kit helps detect early signs of idler roller failure, reducing belt damage and enabling more cost-effective maintenance planning.

SKF Enlight is a platform that uses a mobile app and special Bluetooth enabled sensors to allow fast, simple gathering of data from machinery. The system makes it easy for even non-experts to conduct routine vibration monitoring of equipment, and users can access support from expert analysts from SKF's Remote Diagnostic Centre network at the push of a button.

The SKF Remote Monitoring Service makes it possible for any site with internet access to implement a world-class predictive maintenance programme for periodic or continuous monitoring of critical machinery. This is ideal for plants with few personnel

trained in predictive maintenance techniques, operations with sites located remotely from a central facility, and original equipment manufacturers wishing to provide a value-added service to their customers.

Finally, SKF will demonstrate several of its latest solutions for the management of lubrication in off-road and mobile equipment. The versatile SKF LMC 301 lubrication controller can cycle a pneumatically, hydraulically or electrically driven pump at different timing intervals. The unit is configured easily using PC software and a USB connection and can control a high-current pump without an external relay. Lincoln SL-32HV high-vent grease injectors have been designed for applications requiring faster venting, and to provide improved functionality in cold temperatures or with heavier greases. The Lincoln PowerLuber series 1880 grease gun is powered by an efficient, 20-volt lithium-ion battery that can deliver grease at up to 10,000 psi (690 bar). The tool features a multifunction liquid crystal display and its integral flow meter can detect loss of prime, eliminating false readings to help ensure that the equipment being serviced is properly lubricated.

See SKF at Bauma: Outdoors at Stand FM.709/4

Aktiebolaget SKF  
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SKF is a leading global supplier of bearings, seals, mechatronics, lubrication systems, and services which include technical support, maintenance and reliability services, engineering consulting and training. SKF is represented in more than 130 countries and has around 15,000 distributor locations worldwide. Annual sales in 2014 were SEK 70 975 million and the number of employees was 48 593. [www.skf.com](http://www.skf.com)

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