



For Immediate Publication

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### **New SKF Machine Condition Indicator offers a cost effective and easy-to-use approach to monitoring machine health**

SKF launches the SKF Machine Condition Indicator, a low-cost vibration and temperature monitoring device designed for rotating machinery with constant operating conditions. It provides the ability to track basic machine health on assets that are not currently being monitored on a regular basis. The device can be used indoors or outdoors, in almost any industry where rotating machines are used, such as pulp and paper, power, food and beverage, hydrocarbon processing industry (HPI), oil and gas industry, machine tool, as well as heating, ventilation, and air conditioning (HVAC).

The SKF Machine Condition Indicator periodically makes two types of vibration measurement. Velocity measurements are made to keep track of overall machine health and highlight potential problems relating to misalignment and imbalance. Enveloped acceleration measurements are used to detect possible bearing degradation. In addition, the device monitors machine operating temperature. The SKF Machine Condition Indicator also features built-in intelligence for measurement evaluations and to avoid false alarms, with an alarm status visually indicated via three LED's. The indicator is fixed to the machine and runs on battery.

"The SKF Machine Condition Indicator is as simple as the 'check engine' warning light in a car," said Torsten Bark, Product Line Manager at SKF Condition Monitoring Center, San Diego.

2/... New SKF Machine Condition Indicator

#### **SKF South Africa (Pty) Ltd.**

P O Box 13157, Witfield, 4B Saligna Street, Hughes Business Park, Witfield Ext. 30

Tel: +27 11 821 3500, Telefax: +27 11 821 3501, Website: [www.skf.co.za](http://www.skf.co.za)

B. J. Dailly (Managing), J. Brons (Australian), G.J. Garland, G. P. O'Donoghue, M. Pracki (Polish), D.C. Radley  
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## 2/... New SKF Machine Condition Indicator

"Once LED's are illuminated, it alerts the predictive maintenance technician to do a root cause analysis on the machine to determine what kind of problem might be affecting its performance."

By utilizing the SKF Machine Condition Indicator, plant operators can save both time and money by freeing up maintenance engineers to spend less time on problem detection and more time focusing on root cause analysis and other more significant issues. In addition, maintenance schedules for non-critical machines can be assigned at less frequent intervals, as the installed SKF Machine Condition Indicator will provide feedback via its LED's.

The device costs less than a standard industrial accelerometer, which makes the SKF Machine Condition Indicator a good solution for manufacturers looking for an economical way to make sure their semi-critical machine assets are kept up and running. The SKF Machine Condition Indicator runs on a high energy lithium battery and has a life expectancy of more than three year (with one acknowledged alarm).

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### **About SKF**

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 2011 were SEK 66,216 million and the number of employees was 46,039. [www.skf.com](http://www.skf.com)

ISSUED ON BEHALF OF:	SKF South Africa (Pty) Ltd P O Box 13157, Witfield, 1467 Tel: <b>011 821 3500 / Fax: 011 821 3501</b> Samantha Joubert – MarComm Assistant - SKF South Africa
Email:	<a href="mailto:samantha.joubert@skf.com">samantha.joubert@skf.com</a> / <a href="http://www.skf.co.za">www.skf.co.za</a>
BY:	Sonia Laverick Laverick Media Communications cc Tel: 083 310 4491 / Fax: 086 671 6836 <a href="http://lavmedia@iafrica.com">lavmedia@iafrica.com</a> / <a href="http://www.laverickmedia.co.za">www.laverickmedia.co.za</a>