

# INNER RING

## MAGAZINE

News and Technology from  
SKF Canada Ltd.

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### Ferrari & SKF

Partnering on the track! Pg 4



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SKF's Cambridge facility celebrates 1 year of operation



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Find out how our girls did at the annual Gothia cup in Sweden



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Complete 3 courses and be entered in a draw for Ferrari F14 Lego Set

FREE POSTER

Look on Page 5 to see how to get your own free SKF/Ferrari poster!

# SKF®

Gearbox remanufacturing at Cambridge



50 000 sqf facility!



# Cambridge Open House

A variety of manufacturers, distributors and SKF personnel were all given personal tours of the 50 000 square foot facility.

Our industrial service center in Cambridge has now been part of the SKF family for a year. In celebration, a one day open house was held on October 1, 2015 to showcase the operations and let visitors explore what the new facility has to offer, including:

- Gear and pinion engineering and/or manufacturing, up to 8 meter gears and mating pinion
- Gearbox refurbishment over 350 hp size capability
- Automatic lubricator (System 24) custom fill
- Bearing & bearing housing remanufacturing

The acquisition of the facilities was completed in September 2014. Since then, a lot of work has been done to make this new business a part of the SKF family. Some of the more visible effects of the integration process are upgrades to the interior of the building as well as the large exterior SKF sign – visible from the Highway 401! Also, new equipment and quality controlled processes have been put in place.

 SKF Industrial Service Center Cambridge is located on: 330 Pinebush Rd. Cambridge, On.

Cambridge staff overseeing new shipment



Cambridge General Manager Cosmin Carpinisan (left) leads one of the tours at the Cambridge facility



# Tablet-based shaft alignment



The TKSA 51 shaft alignment tool provides high measurement flexibility and performance suitable for entry-level to expert alignment jobs. Designed to work on a tablet or smart phone, this intuitive tool is easy to use and requires no special training. The TKSA 51 is suited for a wide range of alignment applications, such as motors, drives, fans, pumps, gearboxes and more. The tool's mobile app includes tutorial videos to show operators how to perform accurate measurements.

**Measurement flexibility** - The well-known, three-position measurement gains additional flexibility as measurements can start at any angle and require a total minimal rotation of only 40 degrees. This enables operators to perform alignments on applications with limited space.

**Automatic reports** - Alignment reports are generated automatically and can be customised with notes, a machine picture and a signature. These reports can be exported and shared.

**Comprehensive and compact** - A range of included components, such as magnetic mounting brackets and extension rods and chains, increase the TKSA 51's versatility, yet it remains compact, lightweight and easy to carry.

**3-D live view** - This feature enables intuitive positioning of heads for quick alignment measurements and displays live when horizontal/vertical alignment correction is achieved. The app enables 3-D rotation of the virtual motor to correspond with the actual machine position.

**Fully functional demo mode** - The app can be downloaded easily, and its demonstration mode allows the shaft alignment process to be experienced before purchasing the TKSA 51. Try it today!



Of the TKSA family of products, the TKSA 51 shaft alignment tool is suitable for the broadest range of applications. Its compact, lightweight design, high measurement flexibility and included accessories enable use of the instrument on virtually any machine, even in difficult-to-reach locations.

(Above) The TKSA 51 App is available for free in the Apple AppStore. Just search for "SKF TKSA 51" or follow the QR code on this page with your Apple device and try the alignment process with the fully functional demonstration mode.

Click the link to learn more





## SKF innovation helps Scuderia Ferrari reduce weight and power losses

**S** SKF is continuing its partnership with Scuderia Ferrari in 2015, with the development of specialised components and systems to reduce weight and frictional power losses.

SKF has worked closely with Scuderia Ferrari to produce bearing sets manufactured from specially developed tool steel. By adapting the heat treatment process, SKF has been able to optimise the surface hardness properties. This makes each bearing extremely resistant to surface fatigue and able to withstand the exceptionally high contact stresses found in Formula One applications.

As a result, bearings can be downsized without affecting performance or reliability. The new bearing sets are now being used in the latest Scuderia Ferrari gearbox, where the ability to downsize has helped reduce overall weight by more than 20%. Gearbox performance is improved still further by the use of ceramic bearing rollers and optimised internal geometries; combined, these are making a significant reduction in frictional power losses. In a further development, Scuderia Ferrari is also using the latest condition monitoring technology from SKF.

### Multilog Online System

Multilog On-line System IMx platform, which has been re-engineered to meet the specific demands of the Team. In particular, SKF has adapted the hardware to enable it to process exceptionally large volumes of data at high speeds – typically up to 100 times faster than normally required in even the toughest of industrial applications. Installed on Scuderia Ferrari engine and turbo test rigs, and using advanced SKF Observer software, the condition monitoring system provides asset protection, improved operational efficiency, preventive maintenance, and an increased speed of development.

“Sebastian Vettel become the youngest driver ever to win the World Drivers’ Championship at age 23”



For almost 70 years now, SKF and Scuderia Ferrari continues to be the longest ever uninterrupted technical cooperation in Formula One history.



## FERRARI CHAMPIONS

Country	Driver	Year Won
	Alberto Ascari	1952, 1953
	Juan Manuel Fangio	1956
	Mike Hawthorn	1958
	Phil Hill	1961
	John Surtees	1964
	Niki Lauda	1975, 1977
	Jody Scheckter	1979
	Michael Schumacher	2000-2004
	Kimi Räikkönen	2007

## FERRARI RECORDS

- Most Drivers' Championships: 15
- Most Constructors' Championships: 16
- Most Grands Prix participated (all-time): 901
- Most wins (all-time): 223
- Most podiums (all-time): 688
- Most one-two finishes (all-time): 81
- Most pole positions (all-time): 207
- Most WCC points (all-time): 6,104.5
- Most WDC points (all-time): 7,006.27

## MEET THE DRIVERS

**Sebastian Vettel:**

Born: July 3 1987 - Four-time Formula One World Champion

**Kimi Räikkönen:**

Born: Oct 17 1979 - 2007 Formula One World Drivers' Champion



Above: Driver Sebastian Vettel celebrating victory at the 2015 Malaysian Grand Prix



GET A FREE  
FERRARI/SKF POSTER!

\*Limited quantities available

Just email us at [marketing@skf.ca](mailto:marketing@skf.ca)



# GOTHIA CUP RESULTS



## PLAYOFFS

The girls advanced to the playoffs and had won the first three rounds! The team made it to the semi-finals where after a hard fought game against Tölö IF, they lost by a score of 0-1.

We would like to extend our hardy congratulations to the Olympiques de Repentigny team for a tremendous outing at the 2015 Gothia Cup!

We look forward to next years tournament which takes place July 17-23 2016 in Gothenburg, Sweden.

Gothia Cup is the world's largest and most international youth football tournament. Each year, the SKF sponsored event hosts approximately 1600 teams from 80 nations take part. They play 4500 games on 110 fields.

As part of this initiative, SKF runs a separate event called "Meet the World" where 24 local SKF countries get to send 1 team to participate. SKF Canada has been fortunate in the past 2 years to be invited to send a team, and it continues on this year.

Working with the soccer club Dynamo Saint-Eustache in Quebec, we set up the Gothia Cup trip as a prize in their indoor tournament, held March 6-8 for the Girls 15 category. Among the 12 teams competing, Olympiques de Repentigny emerged as the winning team after an intense finals.

Olympiques de Repentigny was one of 7 clubs from Canada that had a team playing during Gothia Cup 2015. With 117 teams in their group, they played brilliantly during the round robin portion, not losing a game and having a goals against of zero after its completion.

**GOTHIA CUP** The World Youth Cup  
PRESENTED BY SKF



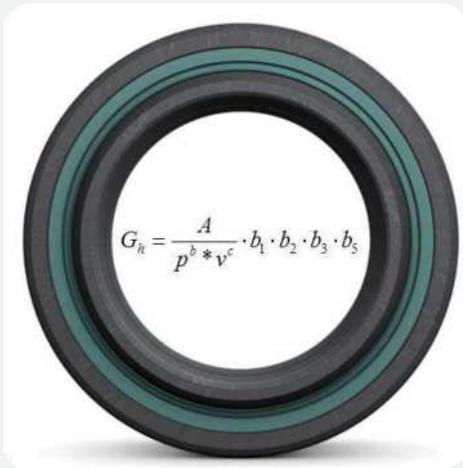
Click on the link or visit [www.gothiacup.se](http://www.gothiacup.se) for more information



# NEW PRODUCTS FROM SKF!

SKF has a unique understanding of rotating equipment and how machine components and industrial processes are interrelated. We provide a wide range of products and related technologies to OEM and aftermarket customers around the world, in every major industry, at each phase of the asset lifecycle.

Click below to learn more about SKF Explorer steel/steel plain bearings



## SKF Explorer steel/steel plain bearings

SKF Explorer steel/steel plain bearings are virtually maintenance-free and extremely robust – the optimal combination for reducing costs and improving reliability.



Click below to learn more about SKF Energy Efficient (E2) Y-bearings



## SKF Energy Efficient Y-bearings and units

This line offers cost-effective solutions for reduced friction, reduced operating temperature and longer service life compared to standard Y-bearings.



## Custom Sealing Solutions



SKF Canada offers high quality, custom engineered sealing solutions.



## System 24 - Custom Fill



Gas driven single point automatic lubricators. New minimum order qty is only 10 pcs.

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