



Plug-and-play solution cut fuel bills



Environmental benefits

- Increased fuel economy
- Reduced CO₂ emission
- Reduced toxic emission



SKF StopGo can improve fuel economy by 6–8%. In terms of reduced direct emissions, 5 g CO₂ can be saved per km.

SKF improves two-wheeler fuel economy and reduces exhaust emission

With rising fuel prices and environmental awareness in focus, vehicle manufacturers are continually exploring solutions and innovations that improve fuel efficiency, and reduce emission of CO₂ and exhaust emissions.

Similar to the automotive industry's Stop-Start technology for cars, SKF has recently developed a solution for two-wheeled vehicles with combustion engines – SKF StopGo.

SKF StopGo turns off a motorcycle or moped engine when stopped in traffic, then restarts the engine when the throttle is engaged. The goal is to reduce vehicle idling – a state of inefficient fuel combustion. Less time at idle reduces exhaust emission, including known toxins, and improves fuel economy.

Depending on actual traffic situations, SKF StopGo can improve fuel economy by 6–8%. In terms of reduced direct emissions, 5 g CO₂ can be saved per km. Based on an Indian urban driving cycle and an annual mileage of 7,875 km, this equates to a reduction of 36 kg CO₂e per vehicle per year.



SKF BeyondZero solutions can help reduce CO₂ emissions, preserve limited resources and protect the environment from the use and spread of toxic substances. For more details, including documentation of reduced environmental impact, visit www.beyondzero.com



New sensing unit for motorcycles and mopeds

Operational benefits [OEM]

- Plug-and-play solution
- Compact and easy to install
- Increased reliability
- Reduced weight

Operational features

- Integrated solution
- Customizable
- Fewer components
- Platform for future ABS developments

SKF StopGo, Stop-Start for two-wheelers

SKF StopGo is a three-in-one integrated sensor-bearing system. The robust unit attaches to the front wheel hub, like a standard bearing, and is connected by a plug-and-play connector to a mating connector attached to SKF StopGo engine electronics.

In addition to sensing speed for the Stop-Start function, SKF StopGo provides normal speed data for digital tachometers, which are now installed more often than analog systems in new two-wheeled vehicles.

This new single-unit solution also offers a weight saving of up to 60%, compared to the many current separate mechanical components needed for front wheel hubs and speed sensing.

Pioneering and innovative, SKF StopGo is a customizable and ready-to-fit unit, which can be assembled easily for both OEMs, and as a retrofit for a wide range of two-wheelers already on the road. The system can be applied to a wide variety of motorcycles and mopeds, independent of engine size.

SKF StopGo has undergone numerous environmental, performance and reliability tests, which have verified the robustness of the solution in application.



© SKF is a registered trademark of the SKF Group.

™ BeyondZero is a trademark of the SKF Group.

© SKF Group 2012

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein. Any statements in this publication concerning environmental impacts, as well as cost savings and revenue increases, are based on results experienced by SKF customers and/or based on internal calculations by SKF personnel and do not constitute a guarantee that any future results will be the same.

PUB 18/S7 12707 EN · June 2012

Certain image(s) used under license from Shutterstock.com.

