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**INNOVATIVE COATED PISTON FROM FEDERAL-MOGUL REDUCES FUEL  
CONSUMPTION AND CO<sub>2</sub> EMISSIONS**

***New EcoTough<sup>®</sup>-coated pistons reduce friction losses, improve wear resistance and can be introduced in volume production as a running change***

**Southfield, Michigan, July 20, 2010...** Federal-Mogul Corporation (NASDAQ: FDML), a leading global supplier of technologies that improve powertrain efficiency and enhance vehicle safety, has developed a new coated piston for gasoline engines that combines the properties of low wear and low friction in a single application. The new EcoTough<sup>®</sup>-coated piston offers superior wear resistance and reduces fuel consumption up to 0.8 percent, as well as reduced CO<sub>2</sub> emissions, compared to conventional piston coatings. The EcoTough-coated piston is compatible with existing and advanced cylinder bore finishes and can be introduced seamlessly in volume engine production as a running change.

The key behind the EcoTough-coated piston technology is the composition of the coating, which is comprised of solid lubricants, including graphite, molybdenum disulfide (MoS<sub>2</sub>) and carbon fiber. In applications requiring additional protection, for example with a rough cylinder honing structure, the EcoTough-coated piston offers a greater coating thickness than pistons with conventional coatings. The technology suits high-volume manufacturing and is less sensitive to pre-treatment process variations, resulting in greater robustness and minimized dispersions in performance. The EcoTough-coated piston also fulfills the most stringent environmental standards and contains no toxic solvents.

(more)

“Federal-Mogul’s global strategy is to develop leading-edge technologies and innovative solutions that improve fuel economy, reduce emissions and enhance vehicle performance,” said Rainer Jueckstock, Federal-Mogul senior vice president of Powertrain Energy. “EcoTough is a

proven solution that will help OEMs meet the stringent regulatory requirements for their vehicles.”

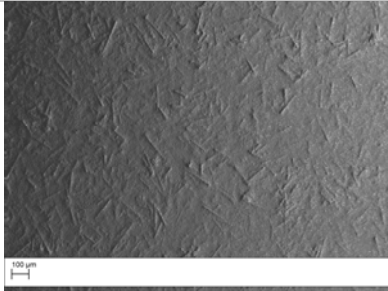
Customer and governmental mandates to reduce CO<sub>2</sub> emissions and fuel consumption makes the reduction of parasitic friction losses between the piston and the cylinder bore a priority for vehicle manufacturers. At the same time, the power output-per-liter of engine displacement is increasing as engines are downsized and boosted by turbo- or super-charging, subjecting pistons to higher mechanical and thermal loads.

In laboratory testing, EcoTough-coated pistons show an 18-percent piston friction loss reduction and an improvement of up to 3 percent in entire engine parasitic loss. Engine bench tests confirm a fuel economy benefit of 0.4 to 0.8 percent in normal driving conditions. In wear resistance testing at full load and after 50 cold-start cycles, EcoTough-coated pistons demonstrate a major reduction in wear on the piston surfaces in contact with the cylinder.

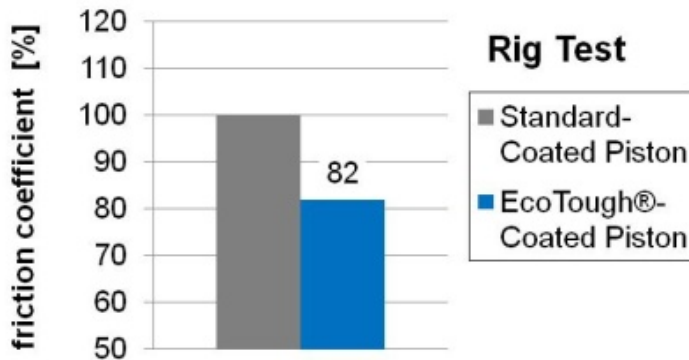
“EcoTough offers vehicle manufacturers an attractive combination of benefits -- a reduction in fuel consumption and CO<sub>2</sub> emissions, coupled with improved wear resistance and straightforward implementation,” said Dr. Frank T.H. Doernenburg, Federal-Mogul’s director of technology, pistons and pins. EcoTough-coated pistons are currently in production, having recently been introduced on a high volume vehicle from a major European manufacturer.

### **About Federal-Mogul**

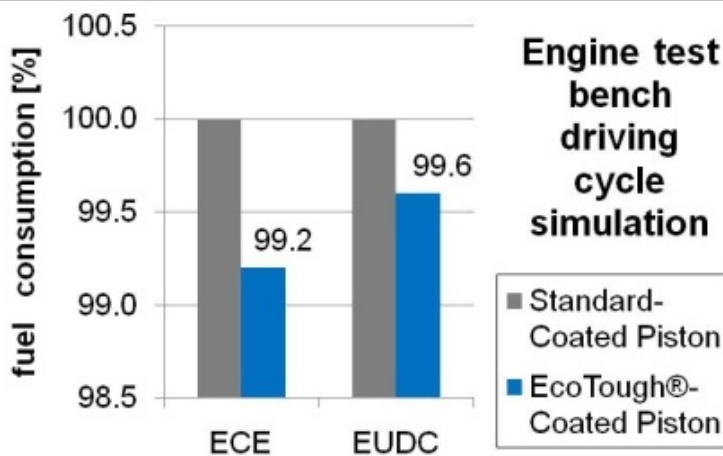
Federal-Mogul Corporation is a leading global supplier of powertrain and safety technologies, serving the world’s foremost original equipment manufacturers of automotive, light commercial, heavy-duty, industrial, agricultural, marine, rail, off-road and industrial vehicles, as well as the worldwide aftermarket. The company’s leading technology and innovation, lean manufacturing expertise, as well as marketing and distribution deliver world-class products, brands and services with quality excellence at a competitive cost. Federal-Mogul is focused on its sustainable global profitable growth strategy, creating value and satisfaction for its customers, shareholders and employees. Federal-Mogul was founded in Detroit in 1899. The company is headquartered in Southfield, Michigan, and employs 43,000 people in 34 countries. Visit the company’s Web site at [www.federalmogul.com](http://www.federalmogul.com).



The key to the new EcoTough coated piston technology is the integration of solid lubricants in a high-temperature anti-friction coating with a carbon fiber-reinforced polymer base.

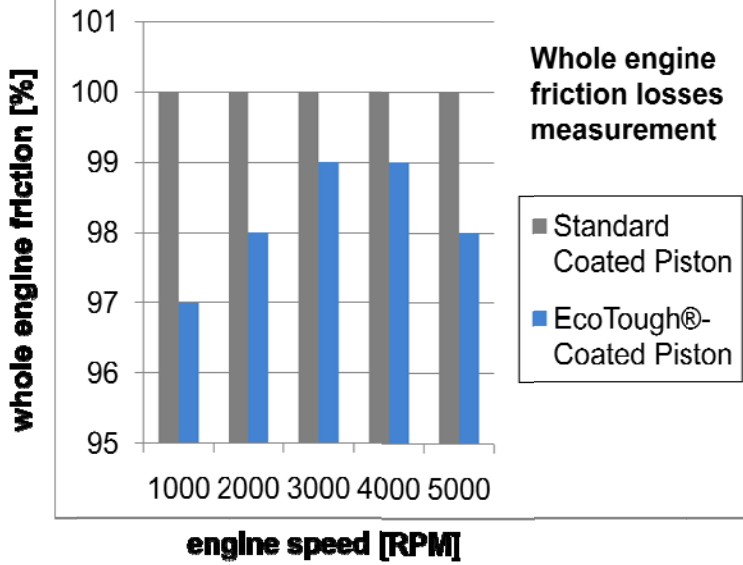


In rig tests, EcoTough-coated pistons outperformed pistons with standard coating by 18 percent for friction reduction.

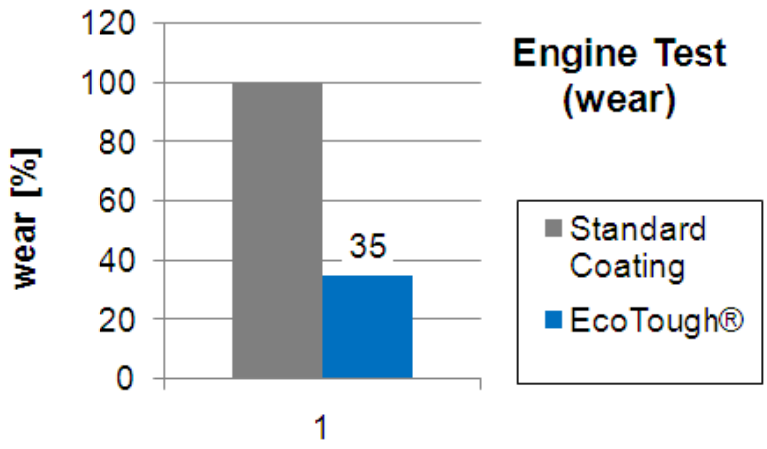


At low load, EcoTough-coated pistons achieve up to 0.8-percent fuel reduction.

*\* ECE + EUDC test cycle is used for emission certification of light-duty vehicles in Europe. ECE represents city driving conditions, and EUDC represents more aggressive, high speed driving modes.*



An engine test confirms up to a 3-percent friction reduction with EcoTough-coated pistons, compared to standard-coated pistons.



Engine tests show EcoTough-coated pistons experience 65 percent less wear than standard-coated pistons.



Standard



EcoTough

EcoTough-coated piston (right) shows visibly lower wear after testing than standard-coated piston (left).