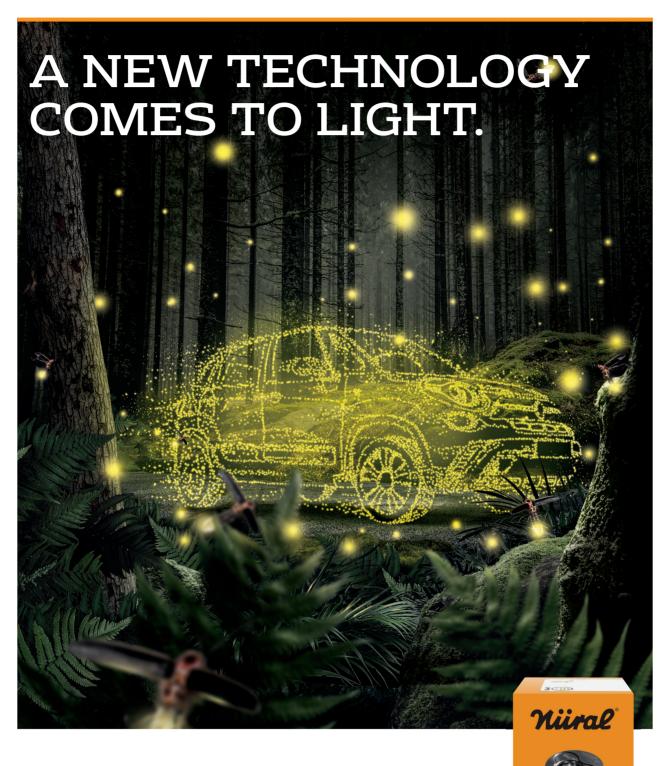




## ECOTOUGH'



## **ECOTOUGH®**

## **NEW GENERATION COATING**

Discover tomorrow today. The new Nüral\* EcoTough\* NG piston skirt coating technology further reduces engine friction, wear and noise while handling the increasingly challenging loads and temperatures of FIAT's new Firefly engine.





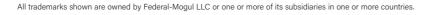












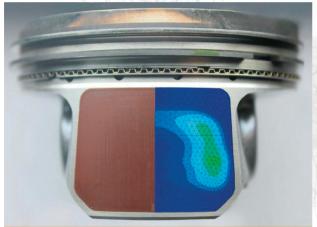




## ECOTOUGH'

STEP INTO THE FUTURE

The latest EcoTough NG piston coatings have been specially designed to meet the extreme load conditions of internal combustion engines. Thanks to a metal oxidereinforced construction with additional embedded solid lubricant particles, they reduce skirt wear by up to 40%\* when compared to market standards with a surface application of just 15 microns. This also reduces piston frictional losses by up to 15%\*.

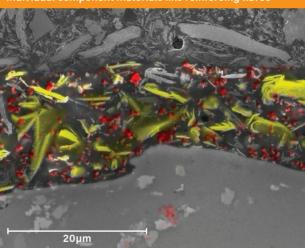


EcoTough-New Generation piston skirt coating with no visible wear (left) after testing in a 1.6-litre petrol engine

This means EcoTough® NG significantly improves fatigue strength and increases fuel efficiency for an environmentally friendly engine that's more durable and efficient than ever before. Application of these piston skirt coatings using fully automated, large-scale production processes means the excellent wear and friction properties can be achieved within economical cost targets.



Generation piston skirt coating for petrol engines, showing



PARTNUMBER NÜRAL ECOTOUGH®: 87-450900-00

**OE REFERENCE:** 46336793 VEHICLE MANUFACTURER: FIAT ENGINES: GSE-T3 - FIAT / GSE-T4 - FIAT

\*Performance always compared to market standards. Press release by Federal-Mogul Powertrain - New Federal-Mogul Powertrain Piston Skirt Coatings Increase Durability for the Life of Pistons; Nuremberg, Germany, March 30, 2016













