



Clean Air

Imagine a product that enables car and lorry engines to operate more efficiently, reducing fuel costs by around 11% and emissions by around 60%. Imagine if that product actually prevented engine metal wear so that gears, pistons and bearings became almost maintenance free with extended service life! The older your vehicle the more effective the technology!

We are delighted to introduce this *proven-to-work* nano technology.

How does it work?

Theoretically, lubricants work by creating a protective film that avoids direct contact of the metallic surfaces. However, lubricants are not able to protect the metal surfaces under all conditions and permanently.

Our new nano coating technology works rather differently. It actually modifies the surface texture of frictional metal parts and creates a new, very smooth metal silicate coating. This metal silicate coating reduces friction and increases efficiency, especially in older engines and gearboxes. Due to optimisation of compression pressure in engines, oil- and fuel consumption, emissions and CO₂ exhaust gases are reduced.

The synthesized metal silicate compound only has to be added to the original lubricant and is carried to the affected areas of the engine or gear box. In the abrasion area, the metal silicates react due to high temperature and high partial pressure and conjoin with the metal surfaces, filling the smallest corrugations, pores or micro cracks in the metal surface, forming an extremely smooth and solid metal silicate layer. The treated metal silicate surfaces have a much lower friction coefficient and allow for a better and faster build-up of a lubricating film.

Environmentally Positive

Our smart coatings will have a major positive impact for logistic and fleet operators, helping drive sustainability, efficiency and cleaner air

- Longer lasting engines / vehicle gears, pistons and bearings
- Fuel Efficiency: around 11% savings on fuel

- Cleaner air / emissions reductions (on average 50-60%)

We welcome the opportunity to introduce this technology and supporting evidence of these amazing claims to your organisation.

Call me now on +353 8790 10419 to find out how to make these savings and extend the life of your engines and gearboxes.

Dermott Reilly
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Nanoland
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