

Advanced Friction Reduction Technology



Lofrix® Application Case Study

The DVSA Emissions Tests

In summer 2019 a random selection of domestic vehicles was tested for emissions on DVSA MOT emissions testing equipment at an authorized MOT testing station in Oldham. 60ml of Lofrix Eco Gel was subsequently added to the oil in the vehicles' engines and they were then driven as normal.

In due course, all vehicles were returned to the MOT station for a further emissions test, where the mileage between tests was recorded, and a comparison of the smoke density (pre and post Lofrix application) was noted for the diesel vehicles. A similar comparison of the CO levels and hydrocarbon emissions was noted for the petrol vehicles tested.

The Conclusion

The emissions testing undertaken showed that when Lofrix Eco Gel is added to the vehicles' engines, a very significant reduction of emissions is recorded, resulting in a reduction in pollution. This has been shown to occur in virtually every case where the emissions have been measured.

Lofrix technology has been proven to reduce friction between moving metal parts in many applications over many years. Now the same reduction in friction has been shown to occur in internal combustion engines – proving that Lofrix technology will reduce vehicle exhaust emissions, and could be a factor in lower levels of airborne pollution.

The Results of the Emissions Testing

A random selection of domestic vehicles of varying makes, models, engine sizes, ages, fuel systems and mileages was tested for emission both before and after the application of Lofrix Eco Gel during the testing period:

57 diesel vehicles were tested. The average emissions reduction was recorded to be in excess of **56%**. This was an average of all vehicles tested, regardless of how low or high the baseline emissions were, what mileage was completed between tests, or the condition of the vehicles' engines. The testing on the diesel vehicles also showed that Lofrix Eco Gel significantly reduces emissions regardless of whether the engines are clean and efficient or are in poor condition.

36 petrol vehicles were tested. The results showed clearly that even with low mileages between tests there is a noticeable reduction in emissions of both carbon monoxide and hydrocarbons. This appears to improve as the mileage after application of Lofrix Eco Gel increases towards 150 miles or so, after which as the mileage increases further, both carbon monoxide and hydrocarbon emissions reduce very substantially. With those vehicles with a higher mileage between tests, the average reduction in vehicle CO emissions exceeded **70%** and the average reduction in HC emissions was over **33%**.

Full details of the report and emissions data is available on www.lofrixeco.com

Power and energy conservation is of paramount importance to manufacturing and process industries. This simple performance enhancing treatment will return huge savings at low cost. Lofrix® has a cost to performance ratio warranting its introduction in almost all applications.

Tel: +44 (0)161 969 9195
Website: www.lofrix.com

Fax: +44 (0)161 969 6064
Email: info@lofrix.com

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