

SYNTHETIC OIL AWARENESS CAMPAIGN FOR TWO-STROKE ENGINES

BACKGROUND

1. The MCC¹ - the Motorcycle Community in Europe - has decided, with the support of the EU Commission, to launch an awareness Campaign promoting the use of Synthetic Oil.
2. Overall the type of lubricant oil has a direct and immediate impact on the PM emissions of many millions of in-use 2- stroke "conventional" PTWs, having the potential for PM reduction in the range of 50%.
3. The use of "low smoke" synthetic based oil is an environmental measure with immediate positive effects. It directly impacts on the "daily running" vehicles, most effectively on the higher polluting ones, namely those not equipped with a catalytic converter.
4. A greater use of synthetic lubricants would determine a series of benefits.

¹ The MCC is composed of

- FEMA – the Motorcyclists federation;
- ACEM – the motorcycles manufacturers;
- FIM – the international motorcycling federation;
- ETRA – the Twowheel retailers association.

SUPPORTED BY



Synthetic Oil Awareness Campaign



Be smarter, be cleaner...
Use synthetic oil !

www.usesyntheticoil.info



WHY WOULD IT BE SMARTER TO USE SYNTHETIC OIL ?

BECAUSE SYNTHETIC LUBRICANTS :

- Have better lubricant potential, that helps for good combustion and engine durability, particularly in the older vehicles;
- Have better cleaning potential, that prevents deposits on the cylinder, piston, ports and spark plugs, allowing maintenance of the engine's performance and reducing the risk of engine seizure;
- Produce less exhaust residuals, that other than smoke; hence it can reduce deposits in the exhaust system and the risk of its obstruction.

WHY WOULD IT BE CLEANER ?

BECAUSE

- Synthetic lubricants combust quicker and better than mineral ones, and generate much less emissions.
- The use of synthetic oils would determine considerable health benefits also in applications without catalyst.
- Synthetic oils can combine lubricity AND clean burning that are normally two conflicting features (a "clean" mineral oil would give poor lubrication and vice versa).

- The use of synthetic lubricants that have an increased combustibility, results in a significant reduction of PM-emissions.

COST CONSIDERATION RELATING TO THE USE OF SYNTHETIC OILS

A greater use of synthetic based oils brings also to economic savings for the users, and the maintenance costs can be reduced due to extended life for the engine, exhaust and spark plug.

No extra cost to the user is involved in the long term due to the engine's better functioning and extended life and only a negligible short term cost is present (0,01euro/km).

The growth of top grade oil market would allow for price reduction and the development of even more advanced products.



PRECAUTIONS CONCERNING THE USE OF SYNTHETIC OIL

Synthetic based oils have no negative consequences for any type of in-use vehicle, however it is recommended :

- to only use "road purpose", both full synthetics and part synthetics formulations are suitable for use, providing they meet the JASO FC or ISO EGC performance levels;
- to check with the official dealer for compatibility with the vehicle and appropriate procedure for changing the oil.

It is important to mention that for catalyzed vehicles, low quality mineral oils can significantly reduce the life of the catalyst leading to an increase of exhaust emission in a short time.

N.B. Some low smoke type oils can be mineral based and suitable as long as they meet JASO FC or ISO EGC standards.

CONTACT

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