

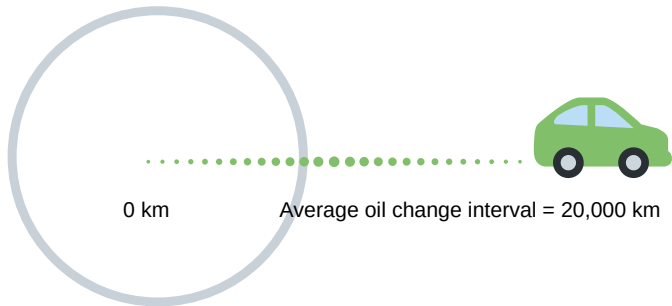
# Engine lubricant FACT SHEET



## Lubricants are the lifeblood of an engine.

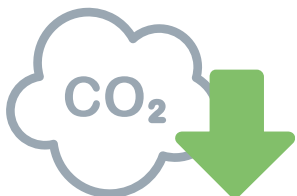
Engine lubricants are liquids derived from crude oil refining or chemical processing, formulated together with carefully selected additives, and are used for lubricating the engines in passenger cars and commercial vehicles, **reducing friction** and keeping engines running like new.

## What do engine lubricants do?



### Extend engine life

Advanced engine oils **reduce engine wear and temperature** thereby extending the life of the engine. Thanks to innovation, top quality lubricants protect the engine performance and low emissions up to extended oil change intervals of 20-30,000 km for passenger cars and up to 100,000 km for commercial vehicles.



Direct contribution of  
**1.2 - 3.9 Mt**  
in avoided CO2 emissions in  
2020 (Europe)

### Improve fuel efficiency

The less engine friction, the less energy needed to move a vehicle, the less fuel is burned and the less emissions are created. Improvements in mechanical efficiency achieved by motor oils, especially those of lower viscosities, **contribute to reduced emissions**.

## Decarbonising Europe's roads

The use of advanced engine lubricants lower emissions **directly** by improving fuel efficiency and **indirectly** by enabling new innovations in engine technology.

### Direct benefit

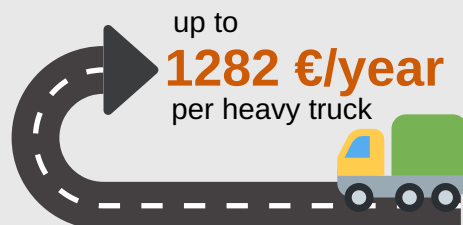


### Indirect benefit



of **avoided emissions** as of 2020 (estimated)\*\*

**Cost savings** from direct and indirect improvements to vehicle efficiency\*:



\*compared to 2005 lubricant technology

\*\*Ricardo Energy & Environment. *Lubricants Contribution to fuel economy*, 2019.



**ATIEL is the technical association representing manufacturers, developers and marketers in the European Lubricants Industry.** For 25 years, we have proudly acted as the voice of the lubricant industry, using our members' collective expertise to push the boundaries of engine oil innovation to the benefit of vehicle manufacturers, consumers and the environment.

### **We engage to continuously improve the performance of lubricants.**



We closely collaborate with the European Automobile Manufacturers' Association (ACEA), additive suppliers and testing bodies to ensure lubricant standards meet the latest engine technologies and regulations.

The ACEA sets the technical and quality standards, also called Oil Sequences, for lubricants suitable for their engines and vehicles.

In order to provide consumers absolute confidence in the quality of their lubricants we developed the European Engine Lubricant Quality Management System (EELQMS), which provides a comprehensive framework for lubricant marketers to design, develop, manufacture and market engine lubricants in adherence to ACEA standards.

**Collaborate with us.**

### **We help auto manufacturers optimise engine design and reduce emissions.**



Our members have the expertise and field experience to support and inform discussions around the effects of engine design changes on lubricant performance.

Our involvement in the early stages of engine design allows for key insights from the lubricant industry to improve engine performance and reduce emissions, and ensures the lead time required to reformulate lubricants to meet new specifications.

**Innovate with us.**

### **We are the knowledge and education hub of the European Lubricants Industry.**



The lubricant industry is an essential part of a more environmentally and economically sustainable Europe.

We actively educate industry stakeholders, regulators and the public on the importance of our industry by participating at events, engaging with stakeholders worldwide, providing training and promoting compliance with industry standards.

**Connect with us.**

**www.ATIEL.org**  
**Boulevard du Souverain 165B-1160**  
**Brussels, Belgium**  
**+32 2 566 91 37**  
**info@atiel.eu**