





Resource for know

ATIEL represents the combined knowledge and experience of Europe's leading engine oil manufacturers. It promotes cross-industry dialogue on automotive lubricant technical issues and develops credible strategies in response to the changing demands of engine technology.

With its combined expertise in lubricants technology ATIEL has established industry best practices and quality standards that address the technical needs of Original Equipment Manufacturers (OEMs) and consumers.

ledge and experience

By providing data and expertise it supports industry partners in the development of appropriate lubricant specifications and test procedures. It monitors current and future technical issues, regulatory programmes and market trends to facilitate scientifically sound responses and enable the European oil industry to react to market needs.

Through its global member companies ATIEL helps to promote European standards around the world. International links with organisations such as the American Petroleum Institute also provide a forum for joint cooperation on global issues and developments.

ATIEL's membership encompasses all of the major European oil companies. It brings together a diverse range of manufacturers and marketers with long experience and expertise in engine oil development.

Current* membership represents the interests of the following:

BPCastrol

CEPSA

ChevronTexaco

ENI

ExxonMobil

Fortum

Fuchs

GALP

Kuwait Petroleum

REPSOL

Shell

Statoil Lubricants

Total

**Union Indépendante
de l'Industrie Européenne des Lubrifiants**

Valvoline

ATIEL is registered in Brussels as a European Economic Interest Group, and is a non-commercial, non-profit making, non-political organisation.



*An up-to-date list of members
is available at: www.atiel.org



Focus for inno

ATIEL acts as a European focal point for technical issues relating to the performance and environmental demands of engine oils. Its objective is to ensure that lubricant development is aligned to the requirements of European engine technology.

By drawing on the extensive technical know-how of its membership it establishes industry consensus on key technical issues. This provides valuable input to OEM development programmes and supports cohesive responses to changes in legislation, lubricant specification and hardware design.

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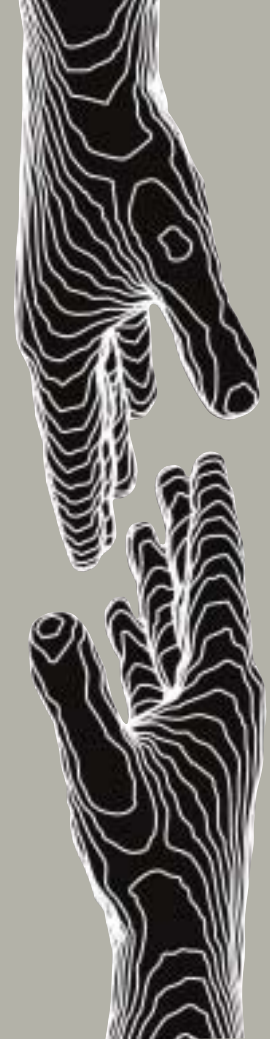
ATIEL promotes interaction between European automotive technical bodies including ACEA (vehicle manufacturers), CEC (engine test development) and ATC (additive manufacturers). Its technical working groups address critical issues including exhaust emissions, fuel economy, oil drain intervals, chemical composition, base oil substitution and used oil management.

This work is key to the development of robust specifications that ensure engine oils continue to contribute to improved engine wear protection and deposit control, lower emissions and fuel economy.

ATIEL has established a number of working groups to address specific technical issues and maintain ongoing liaison with partner industry associations. They also anticipate future regulatory or engine design changes that could impact the supply of appropriate lubricants.

An extensive study has been conducted into the future availability of base oils for low-sulphur lubricants. This was a proactive response to the increasing trend for OEMs to specify low sulphur formulations to ensure compatibility with exhaust gas after-treatment systems. At the same time the ATIEL working group reviewed the lubricant requirements of engines equipped with these catalyst systems to evaluate the impact of low Sulphur, Ash and Phosphorous (SAP) levels on conventional aspects of engine oil performance.

This combined work has ensured that OEMs understand the consequences of low SAP formulations on wear protection, cleanliness and oil drain intervals, while also providing oil companies with sufficient lead-time to plan for the potential development of new base oil manufacturing processes for low SAP lubricant formulations.



ATIEL has a pivotal role in agreeing quality standards for engine oils that meet ACEA requirements. Initiatives such as the ATIEL Code of Practice have been fundamental in setting standards and providing quality guarantees for both OEMs and consumers.

ATIEL members include many international companies, which helps to promote ACEA sequences beyond European markets. Through an active involvement in the CEC, ATIEL also plays a role in the setting of engine and bench test standards, ensuring that lubricant specifications are relevant to real-life applications.

Benchmark for quality and standards

Supporting robust, technically sound specifications helps to streamline the lubricant development process. Establishing development protocols, common quality standards and test procedures ensures that appropriate, consistent high-quality lubricants are readily available to end-users across both European and global markets.

The ATIEL Code of Practice is accepted industry-wide as best practice for the development and manufacture of crankcase lubricants conforming to ACEA standards.

More than 80 companies marketing lubricants in Europe have signed letters of conformance to the Code of Practice guidelines. This ensures product quality and consistency, and provides a benchmark for auditing lubricant development and production processes.

The Code of Practice defines the base oils, and procedures for sourcing them, used to formulate lubricants. It is designed to aid the continuous improvement of engine oils, and to ensure the validity of performance claims made for them.

The ATIEL Code of Practice is available online at: www.atiel.org







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