

# **Lubricant Additives Market by Function Type (Dispersants, VII, Detergents, Antiwear, Antioxidants, Corrosion inhibitors, Emulsifiers, & Others), and Application (Automotive & Industrial Lubricants) - Global Trends & Forecast to 2019**

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## **Abstracts**

Lubricant additives can be categorized into ten major types based on their functions, which are dispersants, viscosity index improvers, detergents, antiwear, antioxidants, corrosion inhibitors, emulsifiers, friction modifiers, EP, PPDs, and others. These are made of raw material/ chemicals such as poly amines, phenols, olefin, maleic anhydride, and others.

Lubricant additives find their usage in various industries for one or more applications. It is used for improving fuel efficiency and better the performance and reduce degradation of machinery and equipment. Their major application is in engine oils for automotive and industrial lubricants. These include heavy duty vehicles, passenger cars, and light duty vehicles, marine and motorcycles, industrial machines such as turbines, compressors, industrial process engines, and others.

Lubricant additive components such as dispersants, VI improvers and detergents dominate the market, capturing nearly 70% of the overall lubricant additives demand. These are used for a wide range of applications, the major one being engines. The lubricant additives industry is experiencing focus shift towards fuel economy, which will result in high growth of friction modifiers and VI improvers in the coming years.

Upcoming opportunities in the lubricant additives market include innovative and environment friendly products through extensive R&D. Continuous R&D and product innovation will result in increased properties, promoting the economic production of

these solvents. The other factors that must be taken into account are cleaner fuels, alternate fuel vehicles such as electric cars, solar cars have high market penetration, but will still need another decade to be completely commercialized on a global scale.

On the other hand, the Dual Clutch Technology (DCT) may unfold great opportunities for technological innovation and business expansion of lubricant additives in the years to come.

This report analyzes various marketing trends and establishes the most effective growth strategy in the market. It identifies market dynamics such as drivers, restraints, opportunities, burning issues, and winning imperatives. Lubricant additives market consists of major players such as Lubrizol (U.S.), BASF (Germany), Chevron Oronite (U.S.), Afton (U.S.), Infineum (U.K.), Croda (U.K.), Evonik (Germany) and regional players such as Tianhe Chemicals Group (China).

### **Scope of the report**

On the basis of region:

Asia-Pacific

Europe

North America

Latin America

Middle East & Africa (MEA)

On the basis of lubricant additive type:

Dispersants

VI Improvers

Detergents

Anti-wear

Antioxidants

Corrosion Inhibitors

Friction Modifiers

Emulsifiers

Extreme Pressure (EP)

Pour Point Depressants (PPD)

Others

On the basis of application:

Automotive lubricants

Heavy duty motor oil (HDMO)

Passenger car motor oil (PCMO)

Other Automotive

Industrial Lubricant

Metal Working Fluids

Industrial Engine Oils

General Industrial Oils

Others

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## About

Dual Clutch Technology accompanies high performance, more powerful, and smooth transmission technology, improved fuel efficiency and reduced carbon emissions. It is expected that dual clutch technology would result in XX-XX percent cut in fuel consumption, contributing to environment restoration.

The Dual Clutch Technology works on advanced transmission, requiring specifically formulated lubricant additives, to reach its full potential. Thus, it is a challenge, as well as an opportunity, to develop specialized additive technology and formulate superior quality lubricants complying with the DCT specifications.

As per the statistics available, the Dual Clutch Technology would have a market penetration of about XX% by 2020 for all passenger vehicles in Western and Central Europe. The table below shows the number of DCT vehicles in Western and Central Europe in 2012, 2016, and 2020.

Additives have been developed to increase engine durability and efficiency in automotive and corrosion inhibition, friction reduction, and withstand extreme pressures in the industrial sector. Over the years, various hybrid compounds and blends have been engineered to create better additives for lubricants.

Deposit control additives are used in almost all types of lubricants, due to which, they are the dominant additives in terms of market size. They captured around XX% of the market share in 2013. Viscosity index improvers (VII) are second with XX% market share. Detergents are third with XX% market share.

In 2014, Asia-Pacific accounts for XX% market share which is closely followed by North America with XX% and Europe with XX%. Latin America and Middle East & Africa have nearly same market share, XX% and XX% respectively. The same trend is expected to continue till 2019 with Asia-Pacific leading the market with its share rising to XX%. In a similar fashion, North America will be the second largest market with XX% share followed by Europe with XX%. Latin America, and Middle East & African markets will remain at the same level with marginal increase in their market shares from 2014.

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