

United Kingdom Automotive Coolant Market By Vehicle Type (Passenger Cars, Light Commercial Vehicles (LCV), and Medium & Heavy Commercial Vehicles (M&HCV)), By Product (Ethylene Glycol Propylene Glycol, Glycerin), By Technology (Inorganic Additive Technology (IAT), Organic Additive Technology (OAT), Hybrid Organic Acid Technology (HOAT)), By End User (OEM, Aftermarket) By Country, Competition, Forecast and Opportunities, 2028

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Abstracts

United Kingdom Automotive Coolant Market is anticipated to rise with the robust CAGR in the forecasted period. Automotive coolant additives are essential component of the vehicle industry. The expansion of the automobile sector due to improving socioeconomic variables has offered profitable potential for automotive coolants. Automotive coolant additives are employed to ensure maximum efficacy.

Automotive coolants are generally used in vehicles to prevent components and parts from overheating. Coolants absorb excess heat from parts and components and disperse it into the surrounding atmosphere via various channels. Furthermore, these coolants are utilized to reduce the temperature of engine components to increase their lifespan and reduce exhaust emissions. Automotive coolant additives give coolants features like anti-freezing, corrosion resistance, and improved fluidity.

The increase in car sales has aided the resurgence of the automotive sector. Companies involved in the automotive industry are substantially investing in the vehicle manufacturing sector. Furthermore, the industry is being driven by an increase in

demand for luxury automobiles. Using a high-tech engine with a high potential in a vehicle delivers higher performance in terms of overall weight, acceleration, and quality.

Increased Demand for Vehicles.

The increased demand for high performance automobiles is fueling growth in the automotive coolant industry. High-performance vehicle sales have expanded in recent years because of an increase in living standards due to greater disposable incomes, and comfort. Also, they are equipped with advanced technologies and safety features which further increase the sales of high performance vehicles. In addition, several motor racing activities, such as Formula 1, are favorably affecting market demand for high-performance, medium & heavy automobiles. The increasing Medium & Heavy commercial vehicle demand in the Construction and manufacturing industries further increasing the demand of automotive coolant in the United Kingdom.

Technological Advancement

Furthermore, the growing importance of engine maintenance and engine performance upgradation has generated an opportunity for the coolant players to implement new technologies. The new technology improves coolant performance and lifespan. Some manufactures are using advanced technology to develop the coolant that can withstand high temperature. Also, with the penetration of advance technology in the coolant industry, the coolants now have an extended life span. Furthermore, as components such as ethylene glycol and glycerin become more readily available, new companies are emerging as prospective sellers of vehicle coolant solutions, further supporting the automotive coolant market.

Emergence of Digital Coolant Monitoring Systems:

Some manufacturers are working on digital coolant monitoring systems that may detect changes in coolant performance and warn vehicle owners when coolant replacement is required. These devices can assist in increasing vehicle performance while also lowering maintenance expenses.

Shift Towards Eco-Friendly Coolant.

There is a growing emphasis on producing coolant products that are devoid of toxic chemicals and are more ecologically friendly. Many coolant producers are creating

solutions that are biodegradable and have a lesser environmental effect. ExxonMobil, for example, said in December 2021 that it has finalized corporate plans, which include boosting its investment on sustainable initiatives to USD 15 billion.

Automotive coolant environment impact and can't be recycled

The toxicity of the basic fluid and antifreeze ethylene glycol poses a risk to both the environment and human health. Heavy metals such as lead, chromium, cadmium, and others can be found in high concentrations in waste antifreeze, which is also hazardous to the environment. Used antifreeze is hazardous to both the environment and human health due to the toxicity of the ethylene glycol used as the basic fluid. As a result, providers and OEMs confront numerous obstacles when recycling coolant. Furthermore, recycling outdated antifreeze solutions is viewed as a better alternative than disposal. Because of the toxicity of the ethylene glycol used as the basic fluid, antifreeze poses a risk to both the environment and human health. Heavy metals such as cadmium, lead, chromium, and others are found in high amounts in waste antifreeze, which is harmful to the environment. As a result, the suppliers and OEMs are faced with difficulty when it comes to recycling coolant and antifreeze.

Increased Adoption of Electric and Hybrid cars hamper growth of coolant.

As more consumers transition to electric and hybrid cars, demand for traditional coolant solutions may fall. Electric and hybrid cars do not require the same sort of engine cooling systems as traditional combustion engines, which may have an influence on the demand for coolant goods and services in the long term.

Stringent Environmental Regulations

The automobile sector is being subjected to increasingly rigorous environmental rules, which may have an influence on the formulation and marketing of coolant products. Manufacturers may need to engage in R&D to create coolant solutions that fulfil these rules, which may raise prices and have an impact on profitability.

Price Fluctuations in Raw material

Price changes in raw materials used in coolants are the key issues that coolant makers confront. Raw material costs, production costs, labor costs, energy costs, and other factors all have an impact on automobile coolant prices. The main raw ingredients used in the manufacture of coolants are ethylene and propylene. The market prices of natural

gas and crude oil determine the prices of these inputs. The price of coolants has been impacted by the volatility of crude oil due to an uncertain supply-demand balance. Thus resulted in the price fluctuations of the raw material which restrain the market growth of the united kingdom automotive coolant market.

Market Segmentation

The United Kingdom Automotive Coolant Market is segmented based on vehicle type, product, technology, end user, and country. Based on vehicle type, the market is segmented into passenger car, light commercial vehicles (LCV), and medium & heavy commercial vehicles (M&HCV). Based on product, the market is divided into ethylene glycol, propylene glycol, and glycerin. Based on technology, the market is segmented into Inorganic Additive Technology (IAT), Organic Additive Technology (OAT), and Hybrid Organic Acid Technology (HOAT). Based on end user, the market is segmented into OEM and Aftermarket. Based on country, the market is segmented into England, Scotland, Wales, and Northern Ireland.

Company Profiles

Rock Oil refining, Inc., BP plc, Shell plc, Chevron Corporation, Exxon Mobil Corporation, Total S.A., Valvoline Inc. , Castrol Corporation., Petroliam Nasional Berhad(Petronas) and Amsoil, Inc. are the key players developing advanced ride hailing service structure to stay competitive in the market and enhancing their product portfolio in the regions to increase their customer outreach.

Report Scope:

In this report, United Kingdom Automotive Coolant Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

United Kingdom Automotive Coolant Market, By Vehicle Type:

Passenger Cars

Light Commercial Vehicles (LCV)

Medium & Heavy Commercial Vehicles (M&HCV)

United Kingdom Automotive Coolant Market, By Product:

Ethylene Glycol

Propylene Glycol

Glycerin

United Kingdom Automotive Coolant Market, By Technology:

Inorganic Additive Technology (IAT)

Organic Additive Technology (OAT)

Hybrid Organic Acid Technology (HOAT)

United Kingdom Automotive Coolant Market, By End User:

OEM

Aftermarket

United Kingdom Automotive Coolant Market, By Country:

England

Scotland

Wales

Northern Ireland

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United Kingdom Automotive Coolant Market.

Available Customizations:

United Kingdom Automotive Coolant Market By Vehicle Type (Passenger Cars, Light Commercial Vehicles (LCV), and...

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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