

Automotive Die Casting Lubricants Market Report by Type (Water-based, Solvent-based, and Others), Material Type (Aluminum and Magnesium, Tin, Lead and Zinc, Copper and Brass, and Others), Application (Die Slick, Plunger Slick, Ladle Slick, Assembly Slick, and Others), and Region 2024-2032

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Abstracts

The global automotive die casting lubricants market size reached US\$ 1.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1.6 Billion by 2032, exhibiting a growth rate (CAGR) of 3.5% during 2024-2032.

Die casting is an automated method in which a liquid melt is forced into a mold at a fast filling speed and under high pressure. An automotive die casting lubricant refers to a substance introduced to reduce friction between surfaces during the metal casting process. Additionally, it may be used for force transmission, transporting foreign objects, or heating or cooling surfaces. Automotive die casting lubricants can be primarily categorized into water-based and solvent-based automotive die casting lubricants. These lubricants protect the components from several problems like porosity, in-cavity buildup, cold shut, etc. Additionally, automotive die casting lubricants also provide bright castings with less gas generation and decrease the corrosion and pitting of the mold surface.

Automotive Die Casting Lubricants Market Trends:

The elevating usage of die casting to produce automotive components with high dimensional accuracy and lighter weight is primarily driving the global automotive die casting lubricants market. In addition to this, the rising automobile sales, backed by the continuous economic development and increasing purchasing power of consumers, are

also propelling the growth of the market. Moreover, the implementation of stringent government regulations to curb carbon emissions has catalyzed the demand for lightweight, non-ferrous metals in the automobile industry, which, in turn, is creating a positive outlook for the automotive die casting lubricants market. Besides this, various government bodies are offering numerous subsidies and financial aids to promote the production and sales of electric vehicles, thereby stimulating the product demand. Furthermore, the shifting consumer preferences from forged components to products made through die casting owing to the higher strength-to-weight ratio is acting as another significant growth-inducing factor. Apart from this, the emerging popularity of high-pressure die casting is also fueling the adoption of plunger lubricants, thereby bolstering the market growth. Additionally, the extensive R&D activities aimed at introducing sustainable and eco-friendly product variants are expected to drive the global automotive die casting lubricants market in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive die casting lubricants market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, material type and application.

Breakup by Type:

- Water-based
- Solvent-based
- Others

Breakup by Material Type:

- Aluminum and Magnesium
- Tin
- Lead and Zinc
- Copper and Brass
- Others

Breakup by Application:

- Die Slick
- Plunger Slick
- Ladle Slick

Assembly Slick
Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Chemtool Incorporated (The Lubrizol Corporation), Chem-Trend LP (Freudenberg & Co. KG), Condat SA, Falcon Industrial Inc, Geiger + Co. Schmierstoff-Chemie GmbH, Hardcastle Petrofer Pvt. Ltd, Hill and Griffith Company, Lubgraf Synoils Pvt. Ltd, MORESCO Corporation, Petr?leo Brasileiro S.A. and Quaker Houghton Inc.

Key Questions Answered in This Report

1. What was the size of the global automotive die casting lubricants market in 2023?
2. What is the expected growth rate of the global automotive die casting lubricants market during 2024-2032?
3. What are the key factors driving the global automotive die casting lubricants market?
4. What has been the impact of COVID-19 on the global automotive die casting lubricants market?
5. What is the breakup of the global automotive die casting lubricants market based on the type?
6. What is the breakup of the global automotive die casting lubricants market based on the material type?
7. What is the breakup of the global automotive die casting lubricants market based on the application?
8. What are the key regions in the global automotive die casting lubricants market?
9. Who are the key players/companies in the global automotive die casting lubricants market?

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