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Zinc Dialkyldithiophosphates Additive Market Research Report - Forecast to 2032

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Description:

Global Zinc Dialkyldithiophosphates Additive Market Overview

Zinc Dialkyldithiophosphates Additive Market Size was valued at USD 3.2 Billion in 2022. The Zinc Dialkyldithiophosphates Additive market End Use Industry is projected to grow from USD 3.3 Billion in 2023 to USD 3.9 Billion by 2032, exhibiting a compound annual growth rate (CAGR) of 2.20% during the forecast period (2023 - 2032). The rising range of applications, including lubricants, greases, antioxidants, corrosion inhibitors, and others, as well as the demand for additives to extend the shelf life of engines and reduce emissions, are the key market drivers enhancing the market growth.

Zinc Dialkyldithiophosphates Additive Market Overview

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Zinc Dialkyldithiophosphates Additive Market Trends

- **The increasing demand for additives to increase the shelf life of engines is driving the market growth**

The rise of the market is being fueled by a variety of factors, including the automotive and industrial sectors, which are also positively impacting consumer demand. Zinc dialkyldithiophosphate additives from the automotive industry are regularly coupled with other additives including detergents, dispersants, and acid neutralizers in industrial lubricants and car engine oil. Additionally, it provides extra oxidation control as well as copper-lead bearing corrosion and wear control in diesel and petrol engines, all of which are anticipated to boost market demand in the near future. Demand for automotive items will rise as a result of increasing technological advancements and public demand. Future increases in lubricant consumption will hasten the market's rise throughout the course of the projected period, along with other growth-promoting factors for the zinc dialkyldithiophosphates additive market. The increasing number of automobiles on the globe has a significant positive impact on the market for zinc dialkyldithiophosphate additives.

The rising number of cars on the road nowadays is the main factor driving the market for zinc dialkyldithiophosphate additives. The market for zinc dialkyldithiophosphate additives is also predicted to grow significantly as a result of increased purchasing power in emerging economies. Strict government regulations to reduce worldwide auto emissions are driving up demand for zinc dialkyldithiophosphate additives.

Due to the rising need for high-performance lubricants across numerous industries, it is projected that the market for zinc dialkyldithiophosphate additives will expand in the coming years. The greatest market for zinc dialkyldithiophosphate additives is the automobile sector, particularly for gasoline-powered engines. The need for additives containing zinc dialkyldithiophosphate is anticipated to rise along with the rise in automotive sales, particularly in developing countries like China, India, and Brazil. Zinc dialkyldithiophosphate additions are widely used in the industrial sector, which comprises the marine, aerospace, and industrial equipment industries. It is anticipated that the market for zinc dialkyldithiophosphate additives will expand due to the rising need for high-performance lubricants in these industries, which have better efficiency and durability requirements. Thus, driving the Zinc Dialkyldithiophosphates Additive market revenue.

Zinc Dialkyldithiophosphates Additive Market Segment Insights

Zinc Dialkyldithiophosphates Additive Product Type Insights

The Zinc Dialkyldithiophosphates Additive market segmentation, based on Product Type, includes Primary Alkyl Zinc Dialkyldithiophosphates and Secondary Alkyl Zinc Dialkyldithiophosphates. Primary alkyl zinc dialkyldithiophosphates

segment dominated the market in 2022. The majority of zinc dialkyldithiophosphate additives, or primary zinc dialkyldithiophosphates, are found in engine oils, which are widely used in the automobile industry. The main zinc dialkyldithiophosphates segment dominates the market because petrol engines account for the majority of Zinc Dialkyldithiophosphates additive use in the automotive industry.

Zinc Dialkyldithiophosphates Additive Application Insights

The Zinc Dialkyldithiophosphates Additive market segmentation, based on Application, includes Anti-wear Additives, Corrosion Inhibitors, Antioxidants, and Others. Anti-wear additives segment dominated the Zinc Dialkyldithiophosphates Additive market in 2022. The most popular application for zinc dialkyldithiophosphate additions is in engine oil, which is utilised in the auto industry and other industries that make use of internal combustion engines.

Zinc Dialkyldithiophosphates Additive End Use Industry Insights

The Zinc Dialkyldithiophosphates Additive market segmentation, based on End Use Industry, includes Automotive and Industrial. Automotive segment dominated the market in 2022. The automotive industry is the biggest consumer of zinc dialkyldithiophosphate additives, particularly for petrol engines where the additives are added to the engine oil to promote lubrication and reduce friction, extending the life of the machinery. In the industrial sector, which includes the marine, aerospace, and industrial equipment industries, zinc dialkyldithiophosphate additives are also extensively employed.

Figure 1: Zinc Dialkyldithiophosphates Additive Market, by End Use Industry, 2022 & 2032 (USD Billion)

Zinc Dialkyldithiophosphates Additive Market, by End Use Industry, 2022 & 2032

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Zinc Dialkyldithiophosphates Additive Regional Insights

By region, the study provides market insights into North America, Europe, Asia-Pacific and Rest of the World. The North America Zinc Dialkyldithiophosphates Additive Market dominated this market in 2022 (45.80%). The presence of significant automakers like General Motors, Fiat Chrysler, and Ford has raised the need for zinc dialkyldithiophosphates as an additive in the automobile sector. The prevalence of tight legislation, particularly in the United States and Canada, is also anticipated to raise overall demand for the commodity. Further, the U.S. Zinc Dialkyldithiophosphates Additive market held the largest market share, and the Canada Zinc Dialkyldithiophosphates Additive market was the fastest growing market in the North America region.

Further, the major countries studied in the market report are The US, Canada, German, France, the UK, Italy, Spain, China, Japan, India, Australia, South Korea, and Brazil.

Figure 2: ZINC DIALKYL DITHIOPHOSPHATES ADDITIVE MARKET SHARE BY REGION 2022 (USD Billion)

ZINC DIALKYL DITHIOPHOSPHATES ADDITIVE MARKET SHARE BY REGION 2022

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Europe Zinc Dialkyldithiophosphates Additive market accounted for the healthy market share in 2022. The demand for zinc dialkyldithiophosphate additives in this region is anticipated to increase with the expansion of the automotive and industrial sectors in Europe. Further, the German Zinc Dialkyldithiophosphates Additive market held the largest market share, and the U.K Zinc Dialkyldithiophosphates Additive market was the fastest growing market in the European region.

The Asia Pacific Zinc Dialkyldithiophosphates Additive market is expected to register significant growth from 2023 to 2032. The region's demand for cars has increased as a result of rising personal disposable income, significantly fueling the market's expansion. Additionally, it is anticipated that the market would expand as a result of the rising vehicle population and the adoption of stricter car emission regulations. Moreover, China's Zinc Dialkyldithiophosphates Additive market held the largest market share, and the Indian Zinc Dialkyldithiophosphates Additive market was the fastest growing market in the Asia-Pacific region.

Zinc Dialkyldithiophosphates Additive Key Market Players & Competitive Insights

Leading market players are investing heavily in research and development in order to expand their product lines, which will help the Zinc Dialkyldithiophosphates Additive market, grow even more. Market participants are also undertaking a variety of strategic activities to expand their footprint, with important market developments including new product launches, contractual agreements, mergers and acquisitions, higher investments, and collaboration with other organizations. To expand and survive in a more competitive and rising market climate, Zinc Dialkyldithiophosphates Additive Industry must offer cost-effective items.

Manufacturing locally to minimize operational costs is one of the key business tactics used by manufacturers in the Zinc Dialkyldithiophosphates Additive Industry to benefit clients and increase the market sector. In recent years, the Zinc Dialkyldithiophosphates Additive Industry has offered some of the most significant advantages to medicine. Major players in the Zinc Dialkyldithiophosphates Additive market, including Afton Chemical, Chevron Oronite Company LLC, Infineum International Limited, Chevron Corporation, AMSOIL INC, The Lubrizol Corporation, Prasol Chemicals Pvt. Ltd, Camguard, and BASF SE, are attempting to increase market demand by investing in research and development operations.

The Lubrizol Corp. (Lubrizol), a division of Berkshire Hathaway Inc., is a specialty chemical company that creates and offers technologies for the consumer, industrial, and transportation sectors. Its products and services include engine additives, driveline additives, industrial specialised items, engineered polymers, coatings, and life science solutions. The company's goods are used in pipelines, compressor lubricants, specialty driveline lubricants and greases for transportation and industrial applications, fire sprinkler systems, over-the-counter medications, performance coatings, personal care items and gear oils and metalworking fluids. It operates through a worldwide network of manufacturing plants, research facilities, sales offices, and technical offices in North America, Europe, and Asia-Pacific. The headquarters of Lubrizol are located in Wickliffe, Ohio, a city in the US. The development of a new Zinc Dialkyldithiophosphates additive for use in the automotive and industrial lubricants applications was announced by the Lubrizol Corporation in March 2022. This particular high-performance lubricant ingredient from the business is

intended to offer better wear protection and oxidation stability.

Exxon Mobil Corp. (ExxonMobil), an integrated oil and gas company, finds, develops, and produces crude oil, natural gas, and natural gas liquids. It refines crude oil and makes base stocks and finished lubricants in addition to producing, moving, trading, and selling petroleum products. In addition to common petrochemicals including polyethylene and polypropylene plastics, aromatic petrochemicals, olefins, and aromatics, ExxonMobil also manufactures and distributes a wide variety of specialty items. It passes via a network of manufacturing plants, transportation hubs, and distribution centres. The corporation operates in North America, Latin America, Asia Pacific, Europe, the Middle East, and Africa. The company's headquarters are in the American city of Irving, Texas. Infineum International Ltd., the joint venture between ExxonMobil and Shell, declared in February 2022 that it had started producing lubricant additives in China. The facility was constructed to satisfy the expanding need for lubricant additives in the area, especially Zinc Dialkyldithiophosphates additives.

Key Companies in the Zinc Dialkyldithiophosphates Additive market include

- Afton Chemical
- Chevron Oronite Company LLC
- Infineum International Limited
- Chevron Corporation
- AMSOIL INC
- The Lubrizol Corporation
- Prasol Chemicals Pvt. Ltd
- Camguard
- BASF SE

Zinc Dialkyldithiophosphates Additive Industry Developments

February 2022: Infineum International Ltd., a joint venture between ExxonMobil and Shell, announced the opening of a new lubricant additive manufacturing facility in China. The business was created to meet the region's growing demand for lubricant additives, particularly Zinc Dialkyldithiophosphates additives.

January 2022: Chevron Corporation purchased Noble Midstream Partners LP, a supplier of pipeline and gathering systems. The acquisition is expected to strengthen Chevron's presence in the upstream, midstream, and lubricant additive research and development fields, including zinc dialkyldithiophosphates.

Zinc Dialkyldithiophosphates Additive Market Segmentation

Zinc Dialkyldithiophosphates Additive Product Type Outlook

- Primary Alkyl Zinc Dialkyldithiophosphates
- Secondary Alkyl Zinc Dialkyldithiophosphates

Zinc Dialkyldithiophosphates Additive Application Outlook

- Anti-wear Additives
- Corrosion Inhibitors
- Antioxidants
- Others

Zinc Dialkyldithiophosphates Additive End Use Industry Outlook

- Automotive
- Industrial

Zinc Dialkyldithiophosphates Additive Regional Outlook

- North America

- US
- Canada
- Europe
 - Germany
 - France
 - UK
 - Italy
 - Spain
 - Rest of Europe
- Asia-Pacific
 - China
 - Japan
 - India
 - Australia
 - South Korea
 - Australia
 - Rest of Asia-Pacific
- Rest of the World
 - Middle East
 - Africa
 - Latin America

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