

Global Residue Hydrodemetalization Catalysts Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Residue Hydrodemetalization Catalysts market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

RHDM catalysts are typically composed of a high-surface-area support material, such as alumina or silica, that is impregnated with active metals such as molybdenum or cobalt. The support material provides a large surface area for catalytic reactions to take place, while the active metals promote the hydrogenation and removal of metal impurities.

The global market for RHDM catalysts is driven by the increasing demand for high-quality refined products and the growing complexity of crude oil feedstocks. As the quality of crude oil reserves declines and the industry turns to unconventional sources such as heavy oils and bitumen, the levels of metal impurities in crude oil residues are increasing. This is creating a strong demand for effective RHDM catalysts that can remove these impurities while minimizing the loss of valuable hydrocarbons.

The market for RHDM catalysts is also influenced by regulatory factors such as environmental regulations and fuel quality standards. Many countries have implemented regulations aimed at reducing the levels of sulfur and other harmful emissions in refined products, which has led to an increased focus on the use of RHDM catalysts to improve the quality of crude oil residues.

The Asia-Pacific region is the largest market for RHDM catalysts, driven by the growing demand for refined products in countries such as China and India. The region is also home to some of the largest refineries in the world, which require large quantities of

RHDM catalysts to process heavy crude oils and residues.

North America and Europe are also significant markets for RHDM catalysts, driven by the increasing use of heavy oils and bitumen as feedstocks. The development of new RHDM catalyst formulations that are more effective at removing metal impurities and reducing sulfur levels is expected to further drive market growth in these regions.

In conclusion, the market for residue hydrodemetalization catalysts is driven by the increasing demand for high-quality refined products and the growing complexity of crude oil feedstocks. Regulatory factors and the development of new catalyst formulations are also important drivers of market growth. The Asia-Pacific region is the largest market for RHDM catalysts, but North America and Europe are also significant markets with strong growth potential.

Residue hydrodemetalization (RHDM) catalysts are a type of catalyst used in the refining industry to remove metal impurities from crude oil residues. These residues are the heavy, viscous by-products of crude oil distillation, and they contain high levels of metals such as nickel, vanadium, and iron that can damage refining equipment and reduce the quality of the end products. RHDM catalysts are designed to selectively remove these metals while minimizing the loss of valuable hydrocarbons.

This report studies the global Residue Hydrodemetalization Catalysts production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Residue Hydrodemetalization Catalysts, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Residue Hydrodemetalization Catalysts that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Residue Hydrodemetalization Catalysts total production and demand, 2018-2029, (Tons)

Global Residue Hydrodemetalization Catalysts total production value, 2018-2029, (USD Million)

Global Residue Hydrodemetalization Catalysts production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Residue Hydrodemetalization Catalysts consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Residue Hydrodemetalization Catalysts domestic production, consumption, key domestic manufacturers and share

Global Residue Hydrodemetalization Catalysts production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Residue Hydrodemetalization Catalysts production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Residue Hydrodemetalization Catalysts production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Residue Hydrodemetalization Catalysts market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Advanced Refining Technologies (ART), Albemarle, Shell Catalysts & Technologies, Haldor Topsoe, UOP, Axens, Johnson Matthey and Sinopec, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Residue Hydrodemetalization Catalysts market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Residue Hydrodemetalization Catalysts Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Residue Hydrodemetalization Catalysts Market, Segmentation by Type

Ni

Mo-Ni

Global Residue Hydrodemetalization Catalysts Market, Segmentation by Application

Atmospheric Residue

Vacuum Residue

Companies Profiled:

Advanced Refining Technologies (ART)

Albemarle

Shell Catalysts & Technologies

Haldor Topsoe

UOP

Axens

Johnson Matthey

Sinopec

Key Questions Answered

1. How big is the global Residue Hydrodemetalization Catalysts market?
2. What is the demand of the global Residue Hydrodemetalization Catalysts market?
3. What is the year over year growth of the global Residue Hydrodemetalization Catalysts market?
4. What is the production and production value of the global Residue Hydrodemetalization Catalysts market?
5. Who are the key producers in the global Residue Hydrodemetalization Catalysts market?
6. What are the growth factors driving the market demand?

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