

Transformer Oil Market Insights: Analyzing Demand Across Power and Utility Sectors

Global Transformer Oil Market to Targets \$4.3 Billion by 2030

WILMINGTON, DE, UNITED STATES, November 6, 2024 /EINPresswire.com/ -- According to a new report published by Allied Market Research, The [transformer oil market](#) size was valued at \$2.3 billion in 2020, and is projected to reach \$4.3 Billion by 2030, growing at a CAGR of 6.3% from 2021 to 2030.



Transformer oil is a specialized insulating and cooling fluid used in electrical transformers and other electrical equipment. It plays a crucial role in ensuring the efficient operation and longevity of transformers by providing electrical insulation and dissipating heat generated during operation.

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Increasing demand of energy across the world, expansion of power grids, and rising demand if transformers are the major driving factors for the Global Transformer oil Market.”

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Asia-Pacific garnered the highest share in the transformer oil market in 2020, in terms of revenue, and is anticipated to maintain its dominance throughout the forecast period.

Asia-Pacific garnered the dominant share in 2020, and anticipated to maintain this trend during the forecast

period. This is attributed to numerous factors such as presence of huge consumer base, rapid expansion of the energy sector, high-voltage direct current (HVDC) systems, and the existence of key players in the region.

The key players operating and profiled in the [transformer oil industry](#) report include Neste, Petronas, Sinopec Lubricant Company, Royal Dutch Shell, Exxon Mobil Corporation, Total SE,

Chevron Corporation, Exxon Mobil, Repsol, and Gulf Oil International.

Other players operating in the market are Lubrita, Phillips 66 Company, Dow, Cargill Incorporated, Hydrodec Group Plc., Calumet Specialty Products Partners, L.P., Sasol, Hyrax Oil Sdn Bhd., and San Joaquin Refining Co.

Rise in power consumption, increase in investment in the power sector, and expansion of electrical grids in developing countries are the major factors driving the growth of the global transformer oil market.

Transformer oil, also known as insulating oil, is an oil used in oil-filled transformers, which exhibits electrical insulating property. It has other properties such as superior oxidation stability, superior thermal conductivity, and enhanced stability at high temperatures.

It effectively prevents the formation of acidic materials and sludge as well as facilitates effective cooling of the transformer core. The electrical properties include dielectric strength, specific resistance, and dielectric dissipation.

Rapid industrialization and modernization in the electrical grids supplement the demand for power transformer, which, in turn, is expected to increase the consumption of transformer oil.

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Presence of the high-power consuming countries such as China, Japan, and India are anticipated to contribute toward the growth of the transformer oil market share in the region.

Increase in adoption of dry transformers and volatility in raw material prices impede the market growth.

On the contrary, R&D toward development of sustainable and recyclable transformer oil products such as bio-based oil is projected to create opportunity for key players operating in the market.

On the basis of end use, the power transformer segment held the largest share in 2020, in terms of revenue, and is expected to maintain its dominance during the forecast period.

This growth is attributed to rapid expansion of heavy industries & projects such as dams, power plants, power grids, refineries, and mills, which further increases the installation of power transformers in these applications.

On the basis of application, the industrial segment garnered the largest share in 2020, in terms of revenue, and is expected to grow at a CAGR of 6.1%, owing to rise in installation of standalone power generation systems in industrial applications attributable to varying loads and power

demand in industrial applications.

Rapid growth of industries such as building & construction, chemicals, oil & gas, and railways resulted in rise in demand for transformers, which, in turn, is expected to drive the growth of the market during the forecast period.

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COVID-19 impact

Lockdown imposed due to the outbreak of COVID-19 pandemic resulted in temporary ban on import & export and manufacturing & processing activities across various industries and electrical utilities, which decreased the demand for transformer oil from these consumers.

The transformer oil market trend is expected to recover by the second quarter of 2021, as COVID-19 vaccination has begun in various economies across the globe, which is expected to improve the global economy.

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Transformer Oil Market

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industry.

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