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By speed, the vehicle diesel engines with high speed find extensive use in power generating, maritime applications, and other fields. Slow and medium-speed engines can run on lower-grade fuels and are renowned for their fuel flexibility. Propellers and electrical generators are often powered by medium-speed engines found in smaller ships and power facilities. Typically, amphibious warfare ships such as major auxiliary engineering ships, tugboats, and landing craft utility (LCU) use medium-speed marine diesel engines.

By power rating, low-power components are essential for optimizing the overall performance of diesel engines, as they help minimize the energy drawn from the engine's electrical system. This is particularly important in modern diesel vehicles, which are increasingly equipped with various electronic systems and sensors that require power. By using components with lower power ratings, manufacturers can improve the fuel efficiency of their vehicles, reduce emissions, and comply with stringent environmental regulations.

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Growth of the vehicle diesel engine market in Asia-Pacific is attributed to the growing infrastructural expansions and electricity demand along with significant growth in the average energy consumption rate in the region. The huge surge in power consumption in developing countries of the Asia-Pacific region, such as China and India, with insufficient power infrastructure, is expected to take some serious initiatives for making steady power supply, which in turn is expected to fuel demand for diesel engine generator, especially in the industrial and commercial sector in the region.

The major players operating in the vehicle diesel engine market include Cummins, DEUTZ, Perkins, MAN Energy Solutions, Volvo Penta, Mitsubishi, MTU, Caterpillar, EMD, and Weichai. Other players in vehicle diesel engine market includes IHI Power Systems, Rolls Royce, Mahindra Power Train, Guangzhou Diesel Engines and others.

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#### Industry Trends:

□ In January 2024, 2.32 million passenger vehicles, 3W, 2W, and quadricycles had been produced in India. Between April and January of FY24, 23.36 million passenger cars, commercial vehicles, two-wheelers, three-wheelers, and quadricycles were produced in India.

□ In July 2023, the the Truck and Engine Manufacturers Association (EMA) and the top U.S. truck manufacturers introduced a Clean Truck Partnership, which was announced by the California Air Resources Board (CARB) . According to a statement from CARB, the industry agreement supports the development of zero-emission vehicles (ZEVs) for the commercial trucking sector and provides manufacturers to meet requirements for emissions while also meeting the state's emission reduction and climate goals.

□ In January 2020, the U.S. Environmental Protection Agency (EPA) released an Advance Notice of Proposed Rule (ANPR) for Cleaner Truck Initiative. This initiative includes new emission standards for NOx and other pollutants for highway heavy-duty engines

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Lastly, this report provides market intelligence most comprehensively. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision-making for the existing market players as well as those willing to enter the market.

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1. Railway Signaling System Market : <https://www.alliedmarketresearch.com/railway-signaling-system-market-A08785>
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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies. This helps us dig out market data that helps us generate accurate research data

tables and confirm utmost accuracy in our market forecasting. Every data company in the domain is concerned. Our secondary data procurement methodology includes deep presented in the reports published by us is extracted through primary interviews with top officials from leading online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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