Automotive Powertrain Cooling System Market is estimated to be US$ 1.19 billion by 2022 with a CAGR of 4.1% over the forecast period (2022-2032)

An automotive cooling system performs three important functions, the cooling system removes excess heat from the engine, the cooling system maintains the engine's operating temperature for optimum performance, and the cooling system brings the engine up to proper operating temperature as quickly as possible. The major components of the cooling system are water pump, freeze plug, thermostat and radiator, cooling fans, heater core, pressure cap, overflow tank and hoses. An automotive powertrain cooling system that helps remove heat from the engine circulates a fluid, usually water or an antifreeze mixture, around the engine and into the radiator where it is released into the atmosphere. Cooled by air as the fluid passes through the radiator, the automotive powertrain cooling system is an important part of the overall engine cooling system. The main purpose of the cooling system is to keep the engine running at a consistent temperature regardless of the ambient conditions. This is essential for proper engine performance and to prevent engine damage. Automotive powertrain cooling system is divided into different types such as air-to-oil cooler, automatic transmission fluid, internal thermal overcooling, ATOC type is an abbreviation of air-to-oil cooler, it is a type of automotive powertrain cooling. A system that uses oil to absorb heat from compressed air in an engine's intake manifold before it enters the cylinders. ATF is a type of hydraulic fluid used in vehicles with automatic transmissions, it helps cool and lubricate the gears inside the transmission. ITOC is a type of automotive powertrain cooling system that uses an air-to-oil-liquid heat exchanger to cool the engine oil. The growth of this market can be attributed to the growing demand for electric vehicles and growing concerns about fuel economy. Asia Pacific is estimated to hold the largest share of the global automotive powertrain system market.

The report **“Automotive Powertrain Cooling System Market, By Type (ATOC, ATF, and ITOC), By Application (Passenger Car, and Commercial Car), and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Trends, Analysis and Forecast till 2030 “**

Key Highlights:

- In September 2021, MAHLE developed a new battery cooling system for fast charging of electric cars. An electrically non-conductive coolant flows around the cells, which significantly lowers the maximum temperature of the battery during charging and ensures that the overall temperature is more homogeneously distributed.
- In April 2021, XING Mobility and Castrol announced a partnership to further develop XING Mobility's immersion cooling battery technology, using Castrol's advanced thermal management fluid to provide unprecedented power and safety to the fast-growing electric vehicle market.

Analyst View:

The cooling system in vehicle helps protect vehicle engine from overheating specialized liquid coolant flow through the cooling system to help keep the system at an ideal temperature, that can prevent it from getting too hot but also from getting too cold in the winter. Cooling system is most important for vehicle engine because the cooling system removes excess heat from the engine, it maintains the engine's operating temperature where it operates most efficiently, and finally, it brings the engine up to proper

operating temperature as quickly as possible. Innovation in the Automotive Powertrain Cooling System market is increasing across the globe, owing to technological developments in the Automotive Powertrain Cooling System market that are more efficient to use.

To know the upcoming trends and insights prevalent in this market, click the link below:

https://www.prophecymarketinsights.com/market_insight/Global-Automotive-Powertrain-Cooling-System-2708

Key Market Insights from the report:

Automotive Powertrain Cooling System Market accounted for US$ 1.19 billion in 2022 and is estimated to be US$ 1.69 billion by 2032 and is anticipated to register a CAGR of 4.1%. The Automotive Powertrain Cooling System Market is segmented based on Type, Application and Region.

- Based on Type, Automotive Powertrain Cooling System Market is segmented into ATOC, ATF, and ITOC.
- Based on Application, Automotive Powertrain Cooling System Market is segmented into Passenger Car, and Commercial Car.
- By Region, the Automotive Powertrain Cooling System Market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

Competitive Landscape & their strategies of Automotive Powertrain Cooling System Market:

The prominent players operating in the Automotive Powertrain Cooling System Market includes DENSO Corp, Johnson Electric Ltd., Delphi Inc., Hella Inc., Mahle GmbH, TitanX Engine Cooling, Valeo Corp, Visteon Corp., Continental AG, Schaeffler AG.

The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.