

Media Information
December 2024

BMW Group diesel from the factory with HVO 100 — CO2 savings straight off the production line

**+++ Initial filling at plants in Germany +++ Significant benefits in terms of CO2
+++ Fuel Neste MY Renewable Diesel meets the highest standards +++ Use
also in plant logistics +++ BMW Group joins the eFuels Alliance +++**

Munich. Openness to technology is paramount for the BMW Group. In addition to the wide range of powertrain technologies, the goal is to reduce CO2 emissions in all areas.

The BMW Group is convinced that all available technologies are needed to reduce CO2 throughout the entire chain of effects. For example, there is potential for reducing CO2 especially with fuels that are not based on fossil raw materials.

"When it comes to climate protection, every ton of CO2 saved counts. The more than 250 million existing vehicles in Europe are an important factor here: Their CO2 balance could be significantly improved if the regenerative share of fuel was increased. We are going ahead: From January 2025, we will fill up all diesel models produced in Germany with HVO 100 before delivery to dealers — a high-quality diesel replacement with up to 90% lower CO2e emissions in the overall balance sheet." says Oliver Zipse, Chairman of the Board of Management, BMW AG.

The BMW Group is now sending a clear signal and is converting the initial filling of all diesel models produced in Germany to HVO 100. The abbreviation HVO stands for "hydrotreated vegetable oil" and the addition "100" indicates that it is to 100 percent, i.e. as pure fuel.

"Neste MY Renewable Diesel™" is the HVO 100 fuel used at BMW Group plants, Munich, Dingolfing, Regensburg and Leipzig, which produce annually more than 50 percent of BMW Groups Diesel powered vehicles. Fuel from the Finnish manufacturer Neste enables a GHG reduction of up to 90 percent ("Well to Wheel") over the life cycle of the fuel, compared to fossil diesel. The initial filling at the plants before delivery to the BMW Group sales organization is five to eight liters, depending on the model.

Since the end of May 2024, paraffinic diesel HVO may also be sold at gas stations in Germany. The fuel is produced from various wastes such as cooking oils, as well as residues and other renewable raw materials.

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It meets high quality- and sustainability standards, Palm oil is not used during production nor does the product consist of conventional biodiesel.

The fuel makes a significant contribution to CO₂ reduction compared to the use of fossil fuels.

Compared with fossil-based diesel, HVO 100 is a higher-quality product and offers a host of technical advantages: as well as emitting less CO₂, its chemical properties offer better cold start behaviour. It is also resistant to microbial contamination ("diesel plague") because of its purity.

To increase the availability of renewable fuels the BMW Group is calling for ambitious quotas of at least 30 percent real greenhouse gas reductions in the Renewable Energy Directive (RED III), which must be implemented in national law by the end of May 2025.

The BMW Group and Neste, with its headquarters in Espoo, Finland, are working together to realize this potential. The BMW Group diesel engines, which are developed at plant Steyr (Austria), and almost all of them produced there as well, have been approved for the HVO 100 fuel in accordance with the European fuel standard EN 15940, starting with the production month of March 2015 for specific models and models. Customers can see detailed information about this [here](#).

Constantly testing.

The BMW Group is constantly testing the compatibility of new fuels for its engines, in addition to HVO 100, B10 and all e-fuels approved for diesel engines within the EN590 fuel standard - for petrol engines, E25 and eFuels approved within the EN228 fuel standard. The use of higher regenerative components in the fuel is also a potentially important contribution to CO₂ reduction in gasoline engines. However, to do this, the EU must extend the upper limit set in the outdated Fuel Quality Directive from the current E10 to E20 or E25.

Successful test in factory logistics as well.

Since March 2023, Neste-produced HVO 100 has also been used in BMW Group plant logistics trucks: On the motorway between Landau / Isar and the BMW Group plant in Munich, four trucks from logistics service provider Guggemos (GV Trucknet) have been driving the route several times a day. They supply the Munich parent plant on a just-in-time basis. This was extended to six more trucks.

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These trucks belong to DB Schenker's fleet and use shuttle services to transport warehouse parts from the BMW Group supply center in Eching for production in Munich. The trucks cover a good 40 kilometers on every round trip.

BMW Group joins the eFuels Alliance.

The BMW Group is a new member of the eFuel Alliance. Together, the partners want to promote a pragmatic regulatory framework and a rapid market ramp-up for renewable fuels. The cooperation should also encourage other industry representatives to adopt renewable fuels as a further complementary technology path.

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The BMW Group

With its BMW, MINI, Rolls-Royce and BMW Motorrad brands, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and provider of premium financial and mobility services. The BMW Group production network comprises over 30 production sites worldwide; the company has a global sales network with representatives in over 140 countries.

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In 2023, the BMW Group sold over 2.55 million cars and over 209,000 motorcycles worldwide. Earnings before tax in fiscal year 2023 amounted to €17.1 billion and revenue to €155.5 billion. As of December 31, 2023, the company had 154,950 employees worldwide.

Long-term thinking and responsible action have always been the basis of the BMW Group's economic success. The company set the course for the future early on and consistently places sustainability and resource conservation at the center of its focus, from the supply chain through production to the end of the use phase of all products.

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