

preem redefine HVO100



Product description

Preem Redefine HVO100 is a renewable diesel fuel produced at Preem's refinery in Gothenburg. The product is chemically equivalent to fossil diesel, which means Preem Redefine HVO100 can replace conventional diesel fuels. Thanks to the feedstock used in the production of Preem Redefine HVO100, the product has one of the highest energy contents for HVO100 on the market. Preem Redefine HVO100 also carries the Nordic Swan Ecolabel which means the product meets the ecolabel's criteria for renewable feedstock, including requirements for responsible production, traceability and controlled sourcing.

Benefits

Preem Redefine HVO100 is a renewable fuel for diesel engines. The product reduces greenhouse gas emissions by at least 90%* from a life-cycle perspective compared with fully fossil diesel. It is adapted to the Nordic climate and therefore has very good cold-weather performance. The Nordic Swan Ecolabel means the product has been carefully evaluated to ensure that Preem Redefine HVO100 is not produced from feedstocks such as palm oil, soybean oil or residues from the production of these vegetable oils.

Health, environment and safety

See safety data sheet

Applications

Because Preem Redefine HVO100 is chemically equivalent to fossil diesel, it can be used as a diesel replacement. As the product has a slightly lower density, it does not meet the diesel standard EN 590, so approval from the vehicle manufacturer is recommended.

This product must not be used for combustion and heating applications. For those applications, HVO100 Heating Oil should be used instead.

Storage

The storage stability of Preem Redefine HVO100 is the same as fossil diesel, and there is no limit to how long the product can be stored if handled correctly. It is therefore important that the product is stored in tanks approved for diesel fuel and that regular water checks are carried out in the tank. Light-transmitting tanks should not be used, to ensure that product quality is maintained and does not deteriorate.

Specifications

- SS-EN 15940

Article code

- 251

Information

For more information about the product, see the [product site](#). There you will find **FAQ**, as well as information about where to turn if you have further questions.



Preem Redefine HVO100

Property	Unit	Requirement acc. to SS-EN 15940	Typical analysis data
Cetane number	-	Min 51,0	70
Density at 15°C	kg/m ³	765,0 - 810,0	792
Sulphur content (mass)	mg/kg	max 5,0	<3
Viscosity at 40°C	mm ² /s (cSt)	1,500 - 4,000	3,5
Flash point	°C	>55,0	90
Cloud point**	°C	- / max -16	-30
Cold filterability (CFPP)**	°C	max - 16/ -26	-31

The information in typical data is not a specification but an indication based on current production; it may be affected by permitted production tolerances. Subject to change. This replaces all previous editions and the information in them.

* The method for calculating greenhouse gas emissions in grams CO₂eq/MJ has been applied in accordance with Article 31 of the EU Renewable Energy Directive (2018/2001/EU) ("RED II"). The reference value used for fossil transport fuel is 94 grams CO₂eq/MJ according to Annex V of RED II and is used to calculate the percentage reduction.

** The higher temperature limits apply during the summer season: 1 April – 15 October (1 May – 15 September in northern Sweden)