Shell
Renewable Diesel

Shell Renewable Diesel

Shell Commercial Road Transport concerns itself with the production and supply of fuels to help reduce CO_2e emissions. In this way, we support our customers' decarbonisation[2].

These efforts include the launch of Shell Renewable Diesel, a diesel fuel that enables cleaner combustion and is made from 100% renewable components.

Shell Renewable Diesel is a 'drop-in' fuel that can be used right away in current diesel engines[3] and thereby reduce CO_2e emissions by up to 90%[1] compared to conventional diesel fuel.

Shell Renewable Diesel belongs to our range of fuels designed for lower CO_2e emissions. It is a practical solution for customers who wish to reduce their CO_2e emissions immediately without modifying vehicles which are already approved for the use of EN15940 fuels.

The benefits of Shell Renewable Diesel for road transport

Cleaner combustion

Compared to conventional diesel fuel refined from crude oil, the paraffinic molecules created by the Shell Renewable Diesel production process are more uniform. Due to the high cetane number and lack of aromatics, Shell Renewable Diesel allows for cleaner combustion with less air pollution than conventional diesel fuel, ensuring lower emissions of nitrogen oxides and particulate matter.

Engine noise

Shell Renewable Diesel can reduce engine noise by up to approximately 3 dB(A) compared to conventional diesel fuel. This is due to Shell Renewable Diesel's high cetane number, which allows for faster, more uniform combustion. We presume that a quieter engine contributes to improved driver well-being and it also makes it possible for vehicles to enter noise reduction zones.

Cold start

Due to Shell Renewable Diesel's high cetane number, a cold engine will start faster and more smoothly compared to conventional diesel fuel. This is especially valuable during early morning starts after chilly winter nights.

High cetane number

A high cetane number helps to reduce nitrogen oxide emissions and engine noise. It also makes for easier cold starts. Shell Renewable Diesel has a much higher cetane number than conventional diesel fuel. Shell Renewable Diesel complies with the European standard EN15940 Class A, which specifies a minimum cetane number of 70.

Drop-in fuel

Shell Renewable Diesel can be used as a direct replacement for conventional diesel fuel without any need for modifications, as long as the engine is approved for use with EN15940 fuels.

More information about Shell Renewable Diesel

1 Will Shell Renewable Diesel affect my vehicle's operation?

No, Shell Renewable Diesel is a 'drop-in' fuel and can be used as a direct replacement for EN590 diesel fuel. However, it must be checked whether the engine is approved for use with EN15940 fuels, in order not to void any manufacturer's warranties.

2 Can vehicles that run on Shell GTL Fuel also use Shell Renewable Diesel?

Yes, Shell Renewable Diesel can be used as a direct replacement for Shell GTL Fuel, without any need for engine modifications.

3 Can vehicles that run on EN590 diesel fuel also use Shell Renewable Diesel?

Yes, Shell Renewable Diesel can be used as a direct replacement for EN590 diesel fuel without any need for engine modifications. However, it must be checked whether the engine is approved for use with EN15940 fuels, in order not to void any manufacturer's warranties.

4 Can I use Shell Renewable Diesel right away or must I empty my fuel tank first?

Shell Renewable Diesel is designed as a cleaner alternative to EN590 diesel or Shell GTL Fuel. This means that Shell Renewable Diesel can be used on its own or mixed with EN590 diesel fuel or Shell GTL Fuel in any proportion.

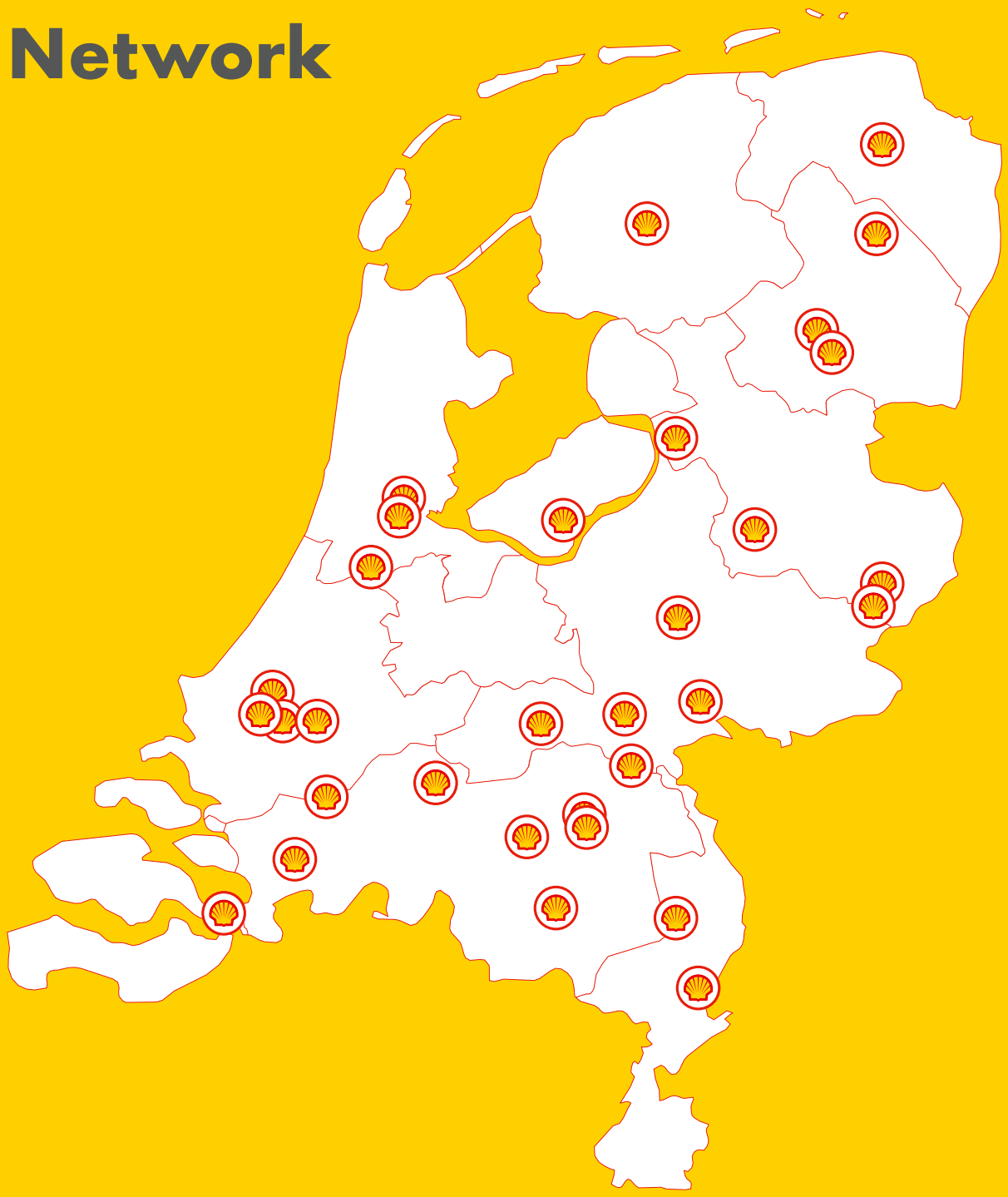
However, it must be checked whether the engine is approved for use with EN15940 fuels, in order not to void any manufacturer's warranties. There is no need to empty your fuel tank first.

5 What must I do if I am not entirely sure Shell Renewable Diesel is suitable for use in my vehicle?
If you are unsure, please contact your dealer.

6 Is Shell Renewable Diesel suitable for use in light-duty vehicles such as cars and vans?
Yes, Shell Renewable Diesel is compatible with all diesel engines approved for use with EN15940 fuels.

7 Is Shell Renewable Diesel available in other countries?
Yes, Shell Renewable Diesel is also available in Finland and Sweden.

Network



Interested in Shell Renewable Diesel or in what we can do for you?
Talk to a Shell account manager.
Scan the QR code or click here.

Shell Commercial Road Transport

Driving sustainability forward together

Shell has been designing fuel products to keep the logistics industry moving for more than a century. We use our innovations to actively support the transition to renewable energy. Road transport is an essential element of the global economy and our daily lives. Shell Commercial Road Transport helps drive heavy road transport forward sustainably. Find out how Shell's various energy solutions and services can help your business to make its way forward. We are your energy transition partner, today and in the future.

Shell Commercial Road Transport offers your fleet an all-in-one solution across Europe:

- Extremely extensive European truck network. Shell maintains Europe's largest network of truck service stations, with everything necessary such as high-flow pumps, AdBlue, etc. Additionally, we offer various energy solutions for your business such as: Shell FuelSave Diesel, Shell Renewable Diesel and Shell (Bio)LNG, even fast charging for trucks.

- Road tolls and taxes: Shell leads the way in seamless toll payments, making it easy for your fleet to navigate the various toll collection systems for roads, tunnels and bridges. Order your European Electronic Toll Services (EETS) through Shell.

- Truck Wash, Parking & Repair: Ensure that your vehicles always look their best and your drivers stay safe when they need to make a stop. Discover our range of services for trucks such as parking, washing and tank cleaning.

- VAT and excise duty refunds: Our services include a dedicated advisor who will handle your refund applications from start to finish, communicate with authorities in their own language, ensure faster refunds and help improve your cash flow.

- Roadside assistance: Reliable, 24/7 assistance for vehicles over 3.5 tonnes in nearly 40 European countries. Drivers can call a single number and explain what's wrong in their own language.

- Shell Fleet Hub: User-friendly online environment saves time by simplifying your Shell Cards and Shell accounts management. Shell Fleet Hub offers you access to a range of convenient features with which to manage your account and Shell Card. 24/7 access to Shell Fleet Hub on your smartphone, tablet or desktop.

- Shell APIs: Shell Application Programming Interfaces (APIs) offer countless opportunities for integration with third parties with access through one consolidated portal, such as a website or an app.

You also receive quarterly Shell Customer Carbon Statements, demonstrating your CO_2e reduction for every litre of Shell Renewable Diesel used.

Disclaimer

1 Between 80%-90% CO_2e (CO_2e equivalent is defined as CO_2e, CH4, N2O).

The Greenhouse Gas Intensity Factors used in our calculations for Shell Renewable Diesel are measured in grams of CO_2e per MJ, in accordance with the methodology specified in the Renewable Energy Directive (EU) 2018/2001, with verification throughout the supply chain to ensure compliance with this standard. The percentage reduction in greenhouse gas emissions is calculated by comparing with a basic greenhouse gas intensity of 90.2 g CO_2e/MJ on a Well-to-Wheel basis, assuming that this is representative of a B7 diesel on the European Union market. Shell's calculation of the B7 diesel's carbon intensity makes use of emission factors from the JEC Well-to-Tank report v5. (European Commission, Joint Research Centre, Prussi, M., Yugo, M., De Prada, L., et al., JEC well-to-tank report V5: JEC well-to-wheels analysis: well-to-wheels analysis of future automotive fuels and powertrains in the European context, Publications Office, 2020, https://data.europa.eu/doi/10.2760/959137).

2 Shell will be using Shell Renewable Diesel to meet the Dutch energy mandate for transport and as such, the certification and sustainability characteristics cannot be used by the customer for any renewable energy/greenhouse gas emission reduction obligations.

3 Customers must check whether an engine is approved for use with EN15940 fuels in order not to void any manufacturer's warranties.

4 All claims are in comparison to EN590 diesel fuel.

Interested in Shell Renewable Diesel or in what we can do for you?
Talk to a Shell account manager.
Scan the QR code or click here.