

Mapping out YOUR BI DIESEL URNEY



Mobil Delvac™

With the growing use of biodiesel and the transition towards increased blend ratios, it is important to know that high-quality, biodiesel-compatible lubricants can keep your engine protected without compromising on performance.

Whether you work in road transport, construction, mining, or agriculture, or simply plan to use biodiesel to power your business, the Mobil Delvac™ team is here to support you on your biodiesel journey.

What is biodiesel?

Biodiesel is a popular renewable alternative to traditional diesel, made from vegetable oils or animal fats. Used as an alternative to traditional diesel for your engines, it may help reduce CO₂ emissions.



B7

7% BIODIESEL

93% REGULAR DIESEL

Depending on the engine design, equipment builders may allow biodiesel to be used either alone or when blended with traditional diesel in various quantities. The standard grade of blended biodiesel available in Europe is "B7", which means it contains up to 7% biodiesel.



What does the use of biodiesel mean for my engine oil?

In low concentrations, such as B7, the effects of the fuel's different chemistry are negligible, but in higher amounts, it can impact the functioning of an engine oil. This can lead to:



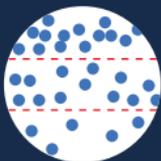
Accelerated oil oxidation



Piston deposits



Altered cold flow properties



Viscosity thinning

Fortunately, there are easy ways to protect your equipment, and Mobil Delvac™ is here to help.



When making the switch to a fuel with higher biodiesel content, there's no one size fits all solution.

Mobil Delvac™ has the right oil for you, and is designed to protect your existing engines, as well as any new equipment.

It's important to invest in high-quality lubricants that have been tested in the presence of biodiesel. Why? Because they not only help extend engine life, they can also contribute towards reducing maintenance costs*.



Check out our suite of biodiesel-compatible engine oils

Mobil Delvac MX™
ESP 10W-30/
15W-40



Mobil Delvac XHP™
ESP 10W-40



Mobil Delvac 1™
LE 5W-30



Mobil Delvac XHP™
Ultra LE 5W-30

Mobil Delvac
Modern™ 5W-30
Extreme Protection



Our biodiesel-compatible Mobil Delvac™ oils can help deliver better fuel economy without sacrificing wear protection**. They can also go a long way towards extending engine life and oil drain intervals*.

Our long-standing relationships with, and endorsements from, engine manufacturers provide you with the added assurance that you're using the right products for your equipment.

**Results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.*

***Applies to Mobil Delvac 1 LE 5W-30 and Mobil Delvac XHP Ultra LE 5W-30. Fuel economy improvement is dependent on vehicle/equipment type, outside temperature, driving conditions and your current fluid viscosity.*

Find out more about our suite of biodiesel-compatible engine oils.



FAQ

Why do I need to use biodiesel-compatible engine oils?

With biodiesel levels likely to increase, today's engines require higher performance lubricants to deliver optimum protection.

Well-formulated lubricants have high oxidative stability which enables them to cope more effectively with biodiesel-induced oxidation, provide good control of deposits formed at high temperatures, and guard against soft metal corrosion.

What actions should I take when transitioning to biodiesel?

1. Ensure your biodiesel comes from a reputable fuel supplier, such as Esso, to ensure both optimum quality and reliable supply.
2. To limit the potential for engine oil degradation, look for biodiesel-compatible engine oils, like our Mobil Delvac™ range of products which have proven consistent performance in the presence of biodiesel. Always follow Original Equipment Manufacturer guidance on oil recommendations, service intervals and maintenance requirements.
3. Conduct frequent used oil analysis, such as that offered by Mobil ServSM Lubricant Analysis (MSLA). Close monitoring of your engine and lubricant condition will help you identify any issues quickly and determine optimal drain intervals.



Do you have a question about how biodiesel could affect your engine and lubricants?

Get in touch today and we'll work with you to help ensure a smooth transition.

Contact your Sales Advisor to learn more.