

Customer Product Information

Biodiesel & HVO Usage in Coates Equipment

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This Customer Product Information Sheet provides guidance to Coates customers when considering the use of Blended Biodiesel and HVO (Hydrotreated Vegetable Oil) fuels on Coates plant and equipment.

What is ‘Blended Biodiesel’ Fuel?

- Pure Biodiesel is a type of combustible fuel made from organic oils, such as vegetable oil.
- Biodiesel is mixed with standard diesel fuel to produce different concentrations known as ‘Blended Biodiesel’.
- Blended Biodiesel is considered a more environmentally friendly alternative to standard diesel fuel.

What is ‘Hydrotreated Vegetable Oil’ (HVO) Fuel?

- Hydrotreated vegetable oil (HVO) is a renewable fuel made from waste sources like vegetable oils and animal fats, and is manufactured from a process called “Hydrotreatment” using hydrogen and catalysts at high temperatures and pressures.
- With a chemical composition similar to petroleum-derived diesel, HVO fuel is a lower-emission alternative to traditional diesel fuel, and can be used in all diesel-driven equipment and storage tanks without the need for modifications.

Can I refill Coates plant and equipment with Blended Biodiesel or HVO Fuel?

Use of Blended Biodiesel and HVO fuel is permitted in all Coates diesel engine-powered plant & equipment as follows:

- Biodiesel Blends of up to and including 'B7' are acceptable for use in all plant and equipment.

Please note - Biodiesel Blends greater than 'B7' are not acceptable for use in Coates equipment due to the significant modifications required to the engine and fuel lines to limit the risk of engine failure.

- HVO Fuel is acceptable for use in all plant and equipment.

Where do I purchase Blended Biodiesel or HVO Fuel?

All Blended Biodiesel fuel and HVO Fuel must be sourced/purchased from a reputable supplier (typically Caltex, Ampol, Shell, BP, Mobil, etc) who can assure the quality of these fuels meets the requirements of the "Fuel Standard (Automotive Diesel) Determination 2001 (as amended)".

What happens if a cheap Blended Biodiesel or HVO Fuel is used, or if an unsuitably high blend of Biodiesel fuel is used?

Customers may be charged for parts and repairs if damage to Coates plant and equipment occurs from:

- The use of Blended Biodiesel or HVO Fuel that does not meet acceptable Fuel Standards; or
- If a Biodiesel blend greater than 'B7' is used where not marked as suitable.