

## All 4 litre to 16 litre VCE Engines

DATE: 08/07/2021	SECTION: 160/000	PAGE: 1 of 1
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SUBJECT:  
SI-GPE-160-001-V1 - Alternative Fuels for Volvo Construction Equipment Machines

Sent by e-mail & added to the "Q-Pulse"

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**Please pay attention to the safety instructions in the Operators and Service Manuals concerned.**

### Reason

The government has announced that it will remove the entitlement to use red diesel and rebated biodiesel from the construction sector and many others from April 2022 to help meet its climate change and air quality targets of net zero by 2050. Due to this change customers are looking at alternative fuels.

### Detail

This Service Information aims to clear up any questions regarding the use of 'Alternative Fuels'.

**Paraffinic Diesel Fuels:** Paraffinic Fuels are a new generation of cleaner transport fuels with near zero sulphur and aromatics, made by chemical reactions from natural gas (**GTL**) or biomass (**BTL**), or through hydrotreatment process from vegetable oils or animal fats (**HVO**).

Paraffinic diesel fuels that meet EN15940 are approved for use in all D4 (4 litre) to D16 (16 litre) Volvo Construction Equipment diesel engines with no changes to maintenance intervals.

**Biodiesel:** Biodiesel is a product made from renewable resources such as vegetable oils or animal fat (tallow). It is measured by the amount mixed with 'normal' diesel, for example B5 (5% blend of Biodiesel). All Biodiesels must conform to EN590 or ASTM D7467.

Biodiesels up to B8 (8%) are approved for use in all D4 (4 litre) to D16 (16 litre) Volvo Construction Equipment diesel engines with no changes to maintenance intervals.

### Summary

Paraffinic Diesel Fuels (GTL/BTL/HVO) meeting EN15940 and B8 Biodiesel meeting EN590 or ASTM D7467 can be used in all Volvo Construction Equipment D4 to D16 engines (regardless of emissions standards).