

FUELS

HiTEC[®] 4238

Specification and Distribution Additive



Stabiliser for Diesel Fuels

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Background

Originally diesel fuels were produced from straight run components having good stability characteristics.

During the last few decades the need to meet increasing middle distillate supply needs has led to the increased use of unstable cracked components in diesel fuel. Cracked components are higher in olefin content and are more prone to oxidation by free radical reactions. This has resulted in the introduction of oxidative stability specifications and the increased use of additive stabilisers to enable refineries to cost effectively meet these specifications.

Key Performance Benefits

HiTEC® 4238 is a powerful diesel fuel stabiliser developed to provide enhanced oxidativite and thermal stability for both diesel fuels and heating oils.

HiTEC® 4238 finished fuel additive will improve the storage and thermal stability of diesel fuels and heating oils leading to a reduction in sediment and gum formation.

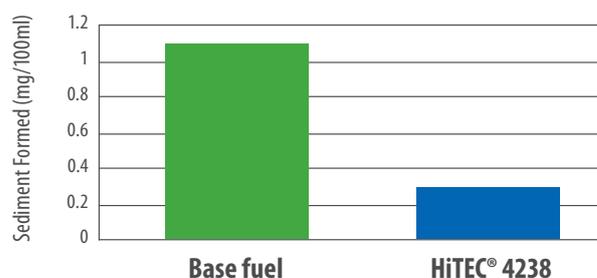
HiTEC® 4238 will allow refiners to cost effectively meet specification requirements for fuel stability and has the additional benefits of:

- Stabilising the fuel to control sediment and gum
- Aiding colour stability
- Minimising fuel filter blocking
- Allowing refineries to maximise unstable blending streams into higher value finished products

Recommended Dosage

Treat-rates may vary depending on the base fuel and stability specification requirement, however HiTEC® 4238 should be used in the range of 50 - 200 ppmv. Please contact your Afton Chemical representative for specific recommendations.

HiTEC® 4238 Controls Sediment Formation



Typical Characteristics

Appearance:	Clear brown oily liquid
Density at 15°C, g/ml:	0.955
Flash Point, °C (PMCC):	62 min.
Kinematic Viscosity at 16°C, mm ² /s:	31
Kinematic Viscosity at -18°C, mm ² /s:	197
Kinematic Viscosity at 40°C, mm ² /s:	3.0

Handling Information

Max Handling Temp: 65°C
 Shelf Life: 48 months if maintained out of contact with direct sunlight, rain and freezing
 6 months or less if exposed to direct sunlight, rain or freezing