

FUELS

HiTEC[®] 4103

Cetane Improver



Raises the Cetane Number of Both Petrodiesel
and Biodiesel Fuels

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Application

HiTEC® 4103 is a cost effective cetane improver additive used to raise the cetane number of both petrodiesel and biodiesel fuels. It lowers exhaust emissions, especially NO_x, from diesel engines. HiTEC® 4103 allows a refinery to increase its profitability by upgrading, for example, FCC light cycle oils from cutter stock to diesel fuel valves.

Key Performance Benefits

- Optimizes refinery profitability
- Increases the proportion of the crude barrel available for use in the diesel pool
- Improves the ignition quality to give reduced noise, reduced emissions, better cold startability and improved fuel economy
- May be combined with additive packages to upgrade regular diesel to premium quality

Recommended Dosage

The recommended dosage for HiTEC® 4103 will depend on the cetane number and sulfur content of the base fuel and the cetane number desired for the finished fuel. Typical treat rates are from 500 – 5000 ppm. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Clear white to pale yellow liquid
Specific Gravity @ 20°C	0.965
Density, lbs/gal.	8.06
Viscosity @ 20°C, cSt	1.8
Flash Point, °C (PMCC)	65 min.
Water, %M	0.05 max.
Total Alkyl Nitrates, %M	99.0 min.

Handling Information

Max Handling Temp: 70°C
Shelf Life: 120 months

