FUELS





Raises the Cetane Number of Both Petrodiesel and Biodiesel Fuels





HiTEC[®] 4103 Cetane Improver

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

Handling Information

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

Cetane Number Response HiTEC[®] 4103 Response in ULSD and LSD





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