

# FUELS

## **HiTEC<sup>®</sup> 4249LS**

**Diesel Detergent/Dispersants**



Used to Formulate Multifunctional Diesel Additive Packages

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### Application

HiTEC® 4249LS diesel detergent is a low sulfur, ashless dispersant used in formulating multifunctional diesel fuel additive packages that can improve the quality of middle distillate fuels.

### Key Performance Benefits

- Excellent injector detergency
  - Passing Cummins L-10 performance
  - Passing Peugeot XUD-9 performance
- Improved fuel economy
- Improved emissions control
- Low sulfur (<15ppm) content minimizes impact of final formulations on ULSD

### Recommended Dosage

Typical use concentration of HiTEC® 4249LS is 61 - 154 ppm volume. HiTEC® 4249LS has demonstrated Cummins L-10 performance in CAT 1K reference fuel, meeting the detergency requirements of the National Council of Weights and Measures premium diesel specifications. It has also demonstrated XUD-9 detergency performance. Please contact your Afton Chemical representative for specific usage information.

	L-10	XUD-9 15% flow retention	XUD-9 25% flow retention
ppmv	71.9	30	61
Mg/kg	79	33	67
PTB	23.4	9.8	19.8

**Note:** Dosages calculated using diesel fuel density = 7.05 lb/gal.

### Typical Characteristics

Appearance	Dark brown viscous liquid
Specific Gravity @ 15.6/15.6°C	0.930
Density, lbs/gal.	7.75
Viscosity at 40°C, cSt	153
Flash Point, °C, PMCC	63 min.
Pour Point, °C	-25 max.

### Handling Information

Max Handling Temp: Ambient  
Shelf Life: 24 months @ ambient temperature