

# COMPONENTS

## **HiTEC<sup>®</sup> 312**

**Extreme Pressure Additive**



For Applications Requiring EP and Load-carrying Capabilities

## HiTEC® 312 Extreme Pressure Additive

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### Application

HiTEC® 312 extreme pressure (EP) additive contains a high percentage of sulfur that provides controlled activity. It is used in applications where EP and load-carrying capabilities are required. It is useful in formulating lubricants requiring protection of shock-loaded gears and working surfaces which experience high loads.

### Key Performance Benefits

- Ashless
- Good EP and load-carrying properties
- Low reactivity to copper containing alloys (especially when used in combination with HiTEC® 4313 corrosion inhibitor)
- High sulfur content
- Excellent booster for FZG, 4 ball weld, CRC L-42 and other EP tests

### Recommended Dosage

HiTEC® 312 is typically used at 0.5% wt. (0.43% vol.) to 5.0% wt. (4.35% vol.) for lubricants and EP greases. Please contact your Afton Chemical representative for specific recommendations.

### Typical Characteristics

Appearance	Clear bright yellow to amber liquid
Density, lbs/gal.	9.45 lbs.
Specific Gravity @ 15.6/15.6°C	1.135
Viscosity @ 100°C, cSt	8.0
Flash Point, °C (PMCC)	80 min.
Sulfur, % wt.	46.3

### Handling Information

Max Handling Temp: 50°C

Shelf Life: 24 months @ ambient temperature (10-40°C)