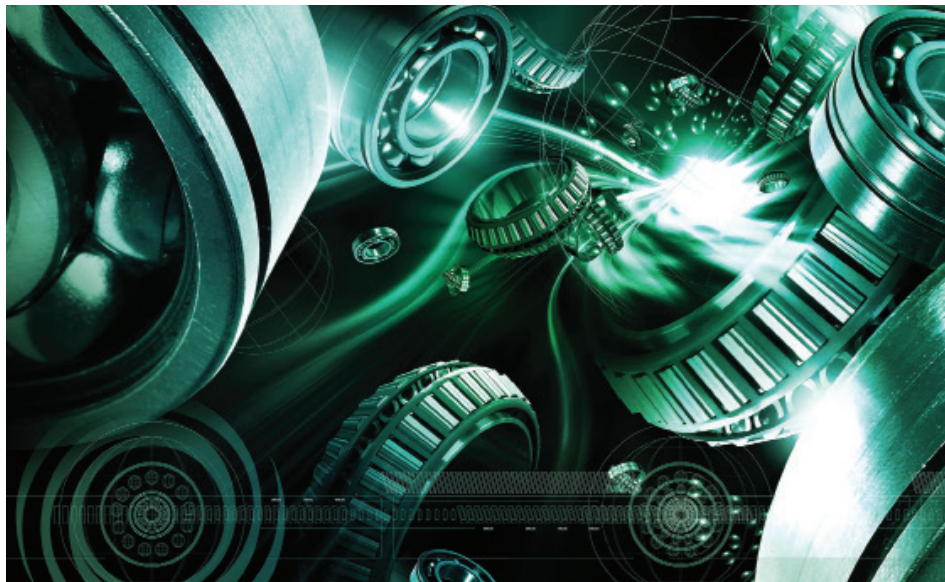


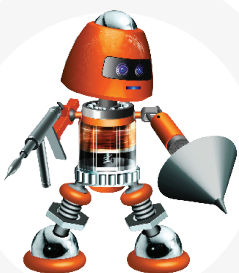
INDUSTRIAL | GREASE

HiTEC[®] 312G

Extreme Pressure Grease Additive



Used in Grease Applications Where EP and Load-carrying Capabilities are Required



 **Afton**[®]
CHEMICAL
Passion for Solutions[®]



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Application

HiTEC® 312G is a sulfurized iso-butylene (EP) grease additive containing a high percentage of sulfur that provides controlled activity. It is used in grease applications in which protection under extreme pressure and high load conditions is necessary. It is also used to complement anti-wear additives such as ZDDPs. It is suitable for use in lithium, lithium complex and other grease thickener systems.

Key Performance Benefits

- Excellent EP protection and load-carrying properties
- Low reactivity to copper containing alloys (especially when used in combination with HiTEC 4313 corrosion inhibitor)
- High sulfur content, more active than HiTEC 313G EP grease additive
- Excellent booster for FZG, 4 Ball Weld, and other EP tests
- Ashless

Recommended Dosage

HiTEC® 312G is recommended for use at 0.3% wt. to 5.0% wt. in a variety of grease formulations needing EP performance. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

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

Performance

With special interest in grease applications, Afton has tested HiTEC® 312G in a fully formulated Li-Complex grease.

Test	Typical Treat Rate wt.%	
	3.0	4.0
4 Ball Weld Point (D2596), kgf	420	450
LWI (D2596)	73.1	80.3

Handling Information

Max Handling Temp: 50°C

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