

INDUSTRIAL

HiTEC[®] 343G

Multifunctional Grease Additive



Flexible Grease Additive Package, Meeting a Wide Spectrum of Performance Levels

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Key Performance Benefits

HiTEC® 343G grease additive is a blend of cost effective multifunctional grease additive componentry designed to be used in a wide variety of grease formulations. HiTEC® 343G combines EP/AW, yellow metal and steel corrosion inhibitors in an easy to handle package that can simplify grease production while enhancing performance in these critical areas and maintaining flexibility for the formulator.

Good basic multipurpose greases can be formulated with HiTEC® 343G alone, while higher tier greases can be created by using additional individual componentry to add specialised performance.

HiTEC® 343G additive provides:

- Multifunctionality, allowing inventory rationalisation and simplified handling, logistics and formulation
- Sulfur-Phosphorus Chemistry
- Exceptional EP protection and durability
- Improved copper-corrosion protection
- Excellent compatibility with commonly used seal materials
- A formulation that maintains the integrity of grease thickener system

Handling Information

Max Blending and Handling Temp: 65°C

Shelf Life: 24 months at ambient temperature, 6 months at 40°C

H-343G (% wt.)		2	4
Test Description	Method		
Copper Strip Corrosion	D4048	1b	1b
Wear Scar (1h, 40kg, 1200 rpm). mm	D2266	0.4	0.5
Four-Ball Weld, kg	D2596	315	400
EMCOR Corrosion (distilled water)	D6138	0/0	0/0

Typical response expected using HiTEC® 343G in lithium grease formulation (NLGI #2)

Recommended Dosage

The typical treat-rates are 0.5 to 5.0% wt., dosage will depend on application performance required. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Clear Yellow Liquid
Specific Gravity at 15.6/15.6 °C:	1.082
Flash Point, °C (PMCC):	76 min.
Viscosity at 100° C, cSt:	9.0