

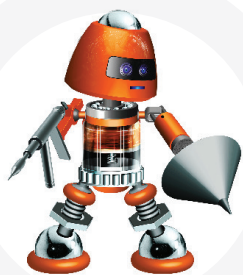
# INDUSTRIAL | GREASE

## HiTEC® 55450

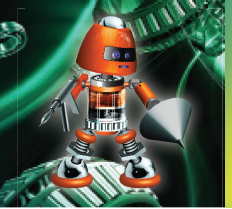
ZDDP Anti-wear Agent for Grease



Protects Against Wear and Oxidation



 **Afton**<sup>®</sup>  
CHEMICAL  
Passion for Solutions<sup>®</sup>



## HiTEC® 55450 ZDDP Anti-wear Agent for Grease

Protects Against Wear and Oxidation

### Application

HiTEC® 55450 Additive is a mixed primary/secondary zinc dialkyl dithiophosphate which acts as an outstanding inhibitor of wear, oxidation and bearing corrosion. HiTEC® 55450 Additive is recommended for use primarily in the formulation of lubricating grease. It may also be used in industrial fluids such as hydraulic oils.

### Key Performance Benefits

- Superior wear and bearing corrosion control
- Good antioxidation characteristics
- Wide thermal stability range permitting the formulation of grease lubricants designed for the highest performance levels

### Recommended Dosage

Dosages for HiTEC® 55450 Additive will vary with application. Please contact your Afton Chemical representative for specific recommendations.

### Typical Characteristics

Appearance	Clear yellow/green oily liquid
Density, lbs/gal	9.35
Kinematic Viscosity @ 40°C, mm <sup>2</sup> /s	230
Flash Point, °C (PMCC)	130 min.

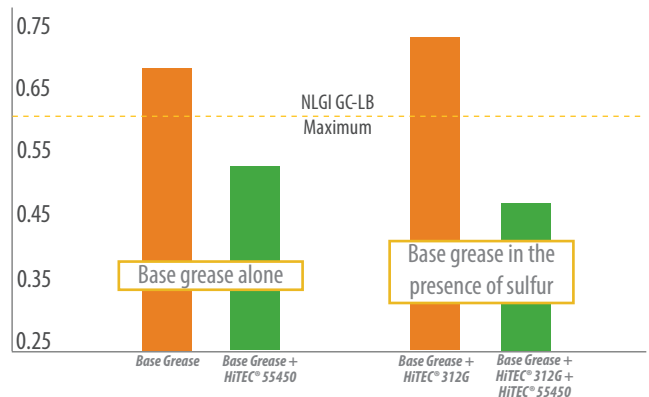
### Handling Information

Max Handling Temp: 55°C  
Shelf Life: 30 months @ ambient temperature (10-35°C)

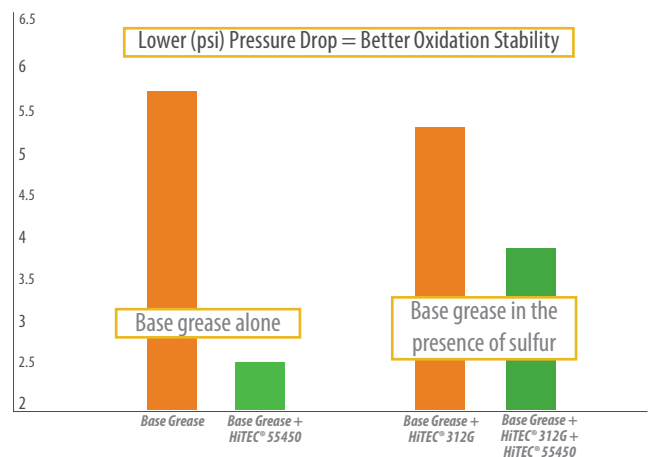
HiTEC® 55450 Additive provides improved performance in wear, oxidation stability, and corrosion protection - both as the primary component or in the presence of sulfur EP additives, such as HiTEC® 312G Sulfurized Isobutylene Additive, commonly used together in grease formulations.

### Lithium 12-OH Base Grease / Group I Base Oil HiTEC® 55450 at 0.8% wt HiTEC® 312G SIB at 0.6% wt

#### Wear Protection, ASTM D2266 4 Ball Wear (40kg, 75C, 1200 rpm, 1hr); mm



#### Oxidation Stability, ASTM D942 @100 hrs; Pressure Drop, psi



#### Copper Corrosion, ASTM D4048 (24 hours, 100°C); Rating

	Base Grease	Base Grease + HiTEC® 55450	Base Grease + HiTEC® 312G	Base Grease + HiTEC® 312G + HiTEC® 55450
Rating	3a	1b	2c	2a