INDUSTRIAL GREASE

HiTEC® 55450 ZDDP Anti-wear Agent for Grease



Protects Against Wear and Oxidation







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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 Density, lbs/gal Kinematic Viscosity @ 40°C, mm²/s Flash Point, °C (PMCC) Clear yellow/green oily liquid 9.35 230 130 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





Oxidation Stability, ASTM D942

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



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