

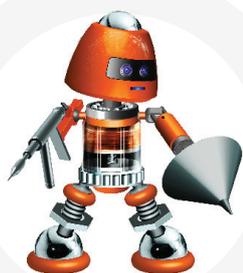
INDUSTRIAL | GREASE

HiTEC[®] 7169

ZDDP Anti-wear Agent



Inhibits Wear, Oxidation and Bearing Corrosion



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



HiTEC® 7169 ZDDP Anti-wear Agent

Inhibits Wear, Oxidation and Bearing Corrosion

Application

HiTEC® 7169 ZDDP is a secondary zinc dialkyl dithiophosphate and is an outstanding inhibitor of wear, oxidation and bearing corrosion for use in lubricating oils and greases.

Key Performance Benefits

- Superior wear and bearing corrosion control, giving maximum protection
- Good antioxidation performance contributing to extended lubricant life
- High thermal stability, permitting the formulation of crankcase lubricants and greases designed for the highest performance levels

Recommended Dosage

HiTEC® 7169 treat rates will vary upon application and desired performance level. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Clear yellow, green to amber liquid
Density, lbs/gal.	9.27
Specific Gravity @ 15.6/15.6°C	1.115
Viscosity @ 100°C, cSt	9.5
Flash Point, °C (PMCC)	110 min.

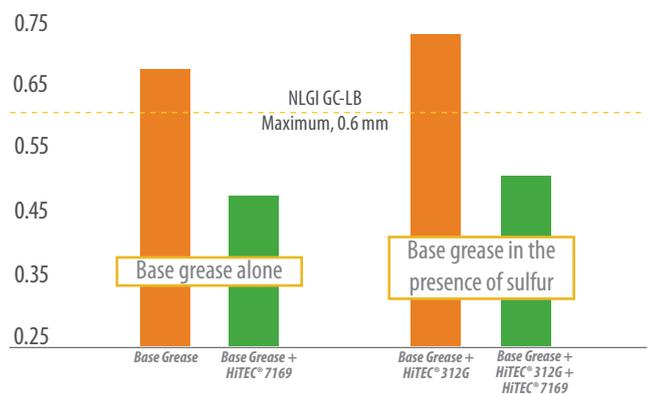
Handling Information

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

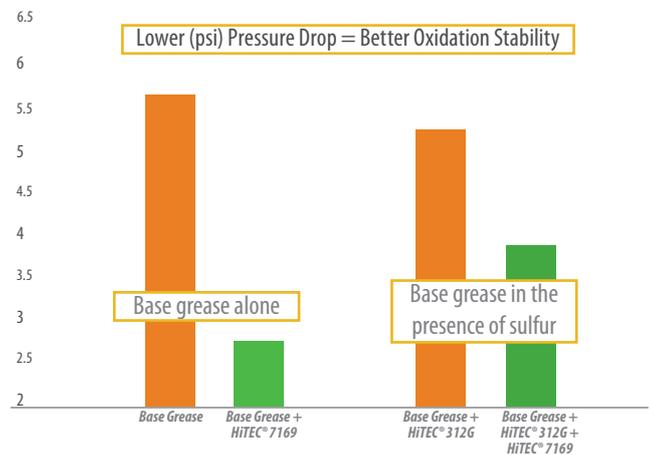
HiTEC® 7169 ZDDP provides improved performance in wear, oxidation stability, and corrosion protection - both as the primary component or in the presence of sulfur EP additives, such as HiTEC® 312G Sulfurized Isobutylene Additive, commonly used together in grease formulations.

Lithium 12-OH Base Grease / Group I Base Oil HiTEC® 7169 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® 7169	Base Grease + HiTEC® 312G	Base Grease + HiTEC® 312G + HiTEC® 7169
Rating	3a	1b	2c	2a