



## GIANT EP3 GREASE

PREMIUM LITHIUM COMPLEX SOAP EP3

### DESCRIPTION

GIANT EP3 GREASE is a premium, extreme pressure, lithium complex grease with a high melting point. It is a high temperature grease designed to meet the demands of the most hostile grease applications and conditions.

GIANT EP3 GREASE formulation features include components that provide extreme pressure (EP) and anti-wear (AW) protection, tackiness and adhesiveness agents that allow the grease to stay-put under high water pressure conditions. In addition to their EP, AW and exceptional water resistance properties GIANT EP3 GREASE also provides a high level of oxidation, rust and corrosion protection.

GIANT EP3 GREASE is a truly remarkable grease with advanced component technology that will provide outstanding service in the most demanding applications particularly for expensive and key equipment.

The state-of-the-art equipment and procedures employed to manufacture GIANT EP3 GREASE provide the grease with a high degree of mechanical and storage stability. They will not breakdown under high mechanical stress. In storage, they will not alter consistency nor release oil.

### PERFORMANCE STANDARDS

- DIN 51502: KP2R-30
- ISO 12924: L-XC(F)FIB2

### TYPICAL APPLICATIONS

GIANT EP3 GREASE is recommended for use in most types of automotive and industrial applications including heavy duty service where high temperatures, high loads and water spray or ingress are encountered. It is suitable for loaded slide, ball and roller-bearings, wheel-bearings, universal joints, chassis and various shock-loaded or vibrating applications in transport, agriculture and off-road vehicles. requiring a NLGI 3 grade EP grease, resistant to elevated temperatures.

Due to its outstanding corrosion and water-resistant properties, it is particularly suitable where water is present such as in steel mills, underground tunneling or mining and ore-crushing plants.

The recommended operating temperature range is from -30°C to 180°C. GIANT EP3 GREASE can even endure higher temperatures for short periods or if the lubrication frequency is increased. It is the normal recommendation where ambient temperatures are moderate and/or good pumpability is required.

### BENEFITS

- Reduced wear under high or shock loads
- Superior protection against rust and corrosion
- Excellent mechanical stability
- High temperature capability
- Lead, chlorine and nitrite free
- Excellent resistance to water spray and washout
- Outstanding storage stability

### TYPICAL PROPERTIES

NLGI		3
Soap/Thickener Type		Lithium Complex
Color		Blue
Dropping Point, °C	ASTM D2265	320
Worked Penetration, 0.1mm	ASTM D217	227
Copper Corrosion, 100°C 24 hrs	ASTM D4048	1b
Oil Separation, 100°C 24 hrs (%mass)	ASTM D6184	0.38
4-Ball EP Test (10s, 1770 rpm), kgf	ASTM D2596	315