Product Information

Swepco® Sprayable EP Open Gear Lubricant (9012)

Synthetic Oil Provides Superior Protection for Severe Applications

Swepco Sprayable EP Open Gear Lubricant (9012) is a sprayable, nonasphaltic synthetic lubricant formulated for the unique challenges of lubricating heavily loaded exposed or shrouded gear sets. Its high-viscosity synthetic base oils and advanced extreme pressure additive system provide exceptional load-carrying characteristics, reduced wear, excellent resistance to water and corrosion, and reliable protection for severe open gear applications.



It is designed for large open gears found in pulverizing and grinding mills, crushers, swing gears on cranes, ring gears on rotary kilns, draglines, quarries, foundries and other heavy-duty operations. A special high-flash point diluent helps thin the product for easier application; once applied, the diluent evaporates to leave an extremely high-viscosity protective film.

Beneficial Qualities

Superior Gear Protection

- Exhibits exceptionally high film strength for heavily loaded open gearing
- Cushions gears against shock loading and extreme pressure
- Helps prevent metal-to-metal contact and destructive wear
- Provides additional solid-lubricant anti-wear protection
- Helps reduce gear temperatures

Easy To Use

- Appears translucent in use, facilitating visual inspection of gear surfaces
- Can be applied manually or through automatic spray systems
- Includes a diluent for wider application flexibility
- Does not build up in tooth roots or pack between gear teeth
- Will not melt, run or become soluble in water

Stays Put

- Clings tenaciously to metal surfaces
- Reduces sling-off and lubricant consumption
- Provides longer lubrication intervals
- Reduces or eliminates periodic cleaning of buildup on shrouds and shields

Cost Effective

- Extends equipment life and improves uptime
- Reduces maintenance costs and repair bills
- Supports longer application intervals or reduced spray volume
- Reduces waste and used lubricant disposal costs

Corrosion & Water Resistance

- Provides superior corrosion protection
- Resists water wash-out in applications with high water exposure
- Stays on gear teeth longer to help protect against rust

Technical Data

Swepco® Sprayable EP Open Gear Lubricant

	9012
Color	Blue
Relative Density @ 60°F/60°F, ASTM D1298	0.983
Viscosity @ 100°C, cSt, ASTM D445	1,130 w/o diluent
Viscosity @ 40°C, cSt, ASTM D445	36,000 w/o diluent 6,800 w/ diluent
Viscosity Index ASTM D2270	216 w/o diluent
Flash Point °C (°F), (COC), ASTM D92	227 (441) w/o diluent 130 (266) w/ diluent
Flash Point °C (°F), (PMCC), ASTM D93	102 (216) w/ diluent
Pour Point °C (°F), ASTM D97	-27 (-17) w/ diluent
Rust Test 4 hrs @ 60°C, DI H2O, ASTM D665A	Pass
Copper Corrosion 3 hrs @ 100°C, ASTM D130	1b
Four-Ball EP ASTM D2783 - Weld Point, kgf	500
Four-Ball Wear @ 75°C, 1200 rpm, 40 kgf, 60 minutes, mm wear, ASTM D4172	0.35

Typical Applications

- Ball mills, pulverizing mills and grinding mills
- Cement plants, steel mills, lumber mills and industrial plants
- Crushers, draglines, excavating equipment and swing gears on cranes
- Exposed or shrouded open gear sets
- Foundries, quarries, sand and gravel operations, and mines
- Ring gears on rotary kilns
- Spray-system or manual open-gear lubrication

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