



Dynalife® CG

Phillips 66® Dynalife CG is a high performance, polymer containing, extreme pressure (EP), lithium grease developed for use in grease lubricated flexible couplings, such as those commonly found in mining equipment, power plants, manufacturing plants and chemical plants. It has exceptional resistance to oil separation when subjected to the high centrifugal forces typically encountered with medium and high speed gear, metallic grid and chain couplings.

Dynalife CG is specifically formulated to the low end of the NLGI No. 1 grade to meet most OEM requirements. It is manufactured with high quality, high viscosity base oils and lithium 12-hydroxystearate soap thickener. It is fortified with select EP additives, oxidation and corrosion inhibitors, and polymers to withstand the centrifugal forces and adhere to the moving parts in couplings to provide sustained lubrication, minimize friction and help extend coupling life. It has outstanding performance in the Koppers K36 Centrifugal Oil Separation Test.

Applications

- Gear, metallic grid and flexible chain couplings
- Couplings commonly used in mining and gas field equipment
- Couplings and universal joints operating under high centrifugal forces
- Couplings used between electric motors and gearboxes in industrial and chemical plants

Coupling Grease meets the requirements of the following industry specifications:

- ANSI/AGMA Standard 9001-B97, Type CG-1 & CG-2 for medium and high speed couplings

Features/Benefits

- Outstanding resistance to oil separation
- Excellent oxidation resistance and thermal stability
- High load carry capacity
- Protects against rust and corrosion
- Minimizes friction and wear to help extended coupling life

**High Performance
Industrial
Couplings
Extreme Pressure
Lithium Grease**





Dynalife® CG

| Typical Properties | | |
|--|------------|--------------|
| NLGI Grade | | 0.5/1 |
| Thickener Type | | Lithium |
| Color | | Dark Amber |
| Texture | | Tacky |
| Density, lbs/gal | | 6.95 |
| Dropping Point, °C (°F) | ASTM D2265 | >175 (>350) |
| Viscosity, Kinematic | ASTM D445 | |
| Viscosity @ 40°C, cSt | | >3200 |
| Penetration, Worked (60 strokes) | ASTM D217 | 345 |
| Oxidation Stability, 100 Hours, psi (kPa) | ASTM D942 | 9.1 (62.7) |
| Four-Ball Wear Scar, mm | ASTM D2266 | 0.5 |
| Four-Ball EP, Weld Load, Kgf | ASTM D2596 | 315 |
| Timken OK Load, lbs | ASTM D2509 | 50 |
| Corrosion Prevention | ASTM D1743 | Pass |
| Koppers Centrifugal Oil Separation Test, K36 | ASTM D4425 | <2% |

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/SDS>.