

Product	Sinopec Heavy Load Open Gear Grease 7420
Summary	Product description Sinopec Heavy Load Open Gear Grease 7420 is formulated with high viscosity base oil, lithium thickener, special solid and multifunctional additive system. It is designed for the lubrication of open gear, and can be used under temperate range from -30°C to +120°C.

Applications

Sinopec Heavy Load Open Gear Grease 7420 is suitable for:

- Large size, low to medium speed, heavy load open gears, including ball mills in power plant, cement plant, mining, machinery plant and etc.
- Load carrying capacity is up to 20,000kgf/cm².

Sinopec Heavy Load Open Gear Grease 7420 has been widely applied in many open gears, of cement industry like China Resources Cement Holdings Limited, Lafarge Group, Jidong Cement Ltd., HUANENG POWER INTERNATIONAL INC., China Datang Corporation, and mining industry like MMG mine site in Anhui China.

Features and benefits

- Excellent protection of gear teeth and other machine elements under boundary lubrication conditions.
- Excellent resistance to water washing. Maintains superb protection in wet environments.
- Minimal throw-off and dripping.
- Less product waste and consumption.

Typical data

Sinopec Heavy Load Open Gear Grease 7420			
NLGI grade	000	00	0
Appearance, visual	black smooth buttery		
Unworked Penetration, 0.1mm, ISO 2137	450	415	360
Dropping point, °C, ISO 6299	180	182	186
Apparent Viscosity (-10°C, 20s ⁻¹), Pa.s, ROCT 7163-1963	315	400	520
Corrosiveness(45# steel, 100°C, 3h), SH/T 0331	pass		
Adhesiveness(66°C, 15min), % (m/m), SH/T 0469	98		
Load carrying capacity (Four ball test), P _D , N, ASTM D 2596	6076		

These data are given as indication of typical values, not exact specifications.

Product Data Sheet

Industry and OEM specifications

Sinopec Heavy Load Open Gear Grease 7420 meets the performance requirements of the following industry specification:

Sinopec	Q/SH303 223-2004
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Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDS are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

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