



01 ZONEDE CHEMICAL GROUP CO.,LTD



Factory Overview

Liaoning Zonede Chemical Group Co.,Ltd is located in the Shuaixiang Industrial Estate, Dongfeng Town, Dawa District, Panjin City, Liaoning Province. It is also known as 'new ecological city' because of its sufficient oil and rice. The Chinese third largest oil field named 'Liaohe oil field' is based in this city. It is the heaven for the migratory birds, as it has sufficient resources and beautiful view. It is honored as 'hometown of red-crowned crane' and 'capital of black-headed gull'. The Tourism Organization also evaluates it as 'the most beautiful wetland in China'. Worldwide people are welcome.



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Today's accomplishments in aspect of the special lubricating grease and synthetic grease are as a reward for the efforts in the last 10 years. Nowadays, Zonede has expanded its R & D center to 50,000 square meters, increased production capacity to 30,000 tons annually, and enhanced product categories over 1,000. Product quality is comparable with Mobil, Shell, Chevron and other international brands.

The Scale Of Production

Our company has passed the ISO9001-2000 quality system certification, is the Chinese Petroleum Institute grease professional members of the Committee and all products passed the EU ROHS directive. We can provide SGS, MSDS report.



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The business must improve its equipment and develop new products constantly in order to satisfy its diversified consumer. Zonede owns not only the progressive production equipment: automatic control of the feeding weight, the whole computer reaction temperature control, but also advanced post-processing equipment, such as vacuum degassing equipment and quantitative packaging system, therefore the annual production capacity reach 30,000 tons.



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In order to produce the high quality product, the business must own reliable quality control system. Hence we brought in emission spectrometer, low temperature torque meter, four balls friction and wear testing machine, Smoke test chamber, anti-water test instrument and other strict equipment. Adhering to the concept of independent research and development, continuous innovation, combined with the actual situation and customer application requirements, developed a more practical and effective products to meet the needs of different customers.



Summary



Grease are preferable in cases where oils cannot be used because grease stays in place, forming a protective shield. There are many different technologies available for use under different circumstances.

Zoneder choice of grease range from multipurpose to the special greases with advanced technology providing excellent protection and longer term under demanding conditions and keeping your equipment and vehicle in operation longer.

Multi Purpose Grease NLGI 3

MP lithium grease is long term using and multi-puspose grease. Appearance is golden transparent and composed of deep refining base oil.

Application:It's recommended for use in rolling /sliding bearings in various of mechanical equipment and other friction parts.

Working temperature: -10°C~130°C

Dropping point: 180°C~190°C



Item	Quality Index	Method
Grease Type	Lithium base grease	
NLGI	3#	
Working cone penetration/0.1mm	250-260	GB/T 269
Corrosion(T2Copper,100°C,24h)/%	No green or black change	GB/T 7326 B method
Dropping Point°C	180-190	
Pour Point°C	-10	GB/T 4929

Multi Purpose Grease NLGI 2

MP lithium grease is long term using and multi-puspose grease. Appearance is golden transparent and composed of deep refining base oil.

Application:It's recommended for use in rolling /sliding bearings in various of mechanical equipment and other friction parts.

Working temperature: -10°C~120°C

Dropping point:175°C~185°C



Item	Quality Index	Method
Grease Type	Lithium base grease	
NLGI	2#	
Working cone penetration/0.1mm	265-280	GB/T 269
Corrosion(T2Copper,100°C,24h)/%	No green or black change	GB/T 7326 B method
Dropping Point°C	175-185	
Pour Point°C	-10	GB/T 4929

Extreme Pressure Grease NLGI 3

Appearance is red and composed of 12- hydroxy stearic acid lithium soap and deep refining base oil. The grease has a high level of chemical stability and offer excellent protection against rust and corrosion and extreme pressure performance. The viscosity excellent performances make it ideal choices for severe operating conditions in metallurgy and mechanical etc field.

Application: It's recommended for use in suitable for the high temperature centralized lubrication system of the large-scale hot rolling mill in the metallurgical industry, and is also suitable for the lubrication of the medium and heavy duty mechanical equipment in the energy building materials, petroleum and chemical industries.

Working temperature: -10°C ~ 100°C

Dropping point: 145°C ~ 150°C



Item	Quality Index	Method
Grease Type	Lithium base grease	
NLGI	3#	
Working cone penetration/0.1mm	250-260	GB/T 269
Corrosion(T2Copper, 100°C, 24h)/%	No green or black change	GB/T 7326 B method
Dropping Point°C	145-150	
Pour Point°C	-10	GB/T 4929



Extreme Pressure Grease NLGI 2

Appearance is green and composed of 12- hydroxy stearic acid lithium soap and deep refining base oil. The grease has a high level of chemical stability and offer excellent protection against rust and corrosion and extreme pressure performance. The viscosity excellent performances make it ideal choices for severe operating conditions in metallurgy and mechanical etc field.

Application: It's recommended for use in suitable for the high temperature centralized lubrication system of the large-scale hot rolling mill in the metallurgical industry, and is also suitable for the lubrication of the medium and heavy duty mechanical equipment in the energy building materials, petroleum and chemical industries.

Working temperature: -10°C ~ 100°C

Dropping point: 135°C ~ 145°C

Item	Quality Index	Method
Grease Type	Lithium base grease	
NLGI	2#	
Working cone penetration/0.1mm	270-280	GB/T 269
Corrosion(T2Copper, 100°C, 24h)/%	No green or black change	GB/T 7326 B method
Dropping Point°C	135-145	
Pour Point°C	-10	GB/T 4929

High Temperature Grease NLGI 3

HP3 high temperature lithium complex grease provides excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. The grease has a high level of chemical stability and offer excellent protection against rust and corrosion. The HP3 grease performance features make them ideal choices for operating conditions including high temperature, water contamination, stock loading and extended re-lubrication operations.

Application: HP3 high temperature grease is recommended for special hub bearing for heavy-truck, rolling mill and sintering machine in steel mill.

Working temperature: -10°C ~ 150°C

Dropping point: 270°C ~ 280°C



Item	Quality Index	Method
Grease Type	Complex ILithium base grease	
NLGI	3#	
Working cone penetration/0.1mm	240-255	GB/T 269
Corrosion(T2Copper, 100°C, 24h)/%	No green or black change	GB/T 7326 B method
Dropping Point°C	270-280	
Pour Point°C	-10	GB/T 4929



High Speed Grease

Appearance is milky white, smooth and uniformity. It's composed of 12- hydroxy stearic acid lithium soap and deep refining base oil. Feature excellent resistance to water contamination and superb lubrication performance.

Application: Precision machine tools, textile machinery bearings, instruments and meters, micro motors, fans, bearings, plastic gears and hardware lubrication and protection.

Working temperature: -20°C ~ 120°C

Dropping point: 170°C

Item	Quality Index	Method
Grease Type	Lithium base grease	
NLGI	3#	
Working cone penetration/0.1mm	245-255	GB/T 269
Corrosion(T2Copper, 100°C, 24h)/%	No green or black change	GB/T 7326 B method
Dropping Point°C	170	
Pour Point°C	-20	GB/T 4929

Moly Grease

It's composed of 12- hydroxy stearic acid lithium soap and deep refining base oil. And it contains molybdenum disulfide. Feature excellent resistance to water contamination and superb lubrication performance.

Application: Precision machine tools, textile machinery bearings, instruments and meters, micro motors, fans, bearings, plastic gears and hardware lubrication and protection.

Working temperature: -20°C~120°C

Dropping point: 180°C~185°C



Item	Quality Index	Method
Grease Type	Lithium base grease	
NLGI	3#	
Working cone penetration/0.1mm	235-250	GB/T 269
Corrosion(T2Copper,100°C,24h)/%	No green or black change	GB/T 7326 B method
Dropping Point°C	180-185	
Pour Point°C	-20	GB/T 4929



Bentonite Grease

It's composed of high performance lubricating oil soaped by inorganic soap and various additives are added.

Application: Applicable to high temperature, heavy load, low speed mechanical equipment.

Working temperature: -20°C ~180°C

Dropping point: None

Item	Quality Index	Method
Grease Type	Bentonite grease	
NLGI	3#	
Working cone penetration/0.1mm	230-240	GB/T 269
Corrosion(T2Copper,100°C,24h)/%	No green or black change	GB/T 7326 B method
Dropping Point°C	No dropping point	
Pour Point°C	-10	GB/T 4929