



ANHUI ZHONGTIAN PETROCHEMICAL CO., LTD.



ANHUI ZHONGTIAN PETROCHEMICAL CO., LTD.

Add: Economic Development Zone, Susong, Anhui, China(Production Base)
No.4978 Huizhou Avenue, Binhu New District, Hefei, China(Marketing Center)
Tel: 86-551-6351 8876
Http:// www.ahztsh.com

www.ahztsh.com



Company Profile
Company Profile P01-P02

I

Lubricating Oil

II

- Gasoline Engine Oil P03-P05
- Diesel Engine Oil P06-P07
- Dual Fuel Engine Oil P08
- Vehicle Gear Oil P09
- Transmission Oil P10
- Marine Oil P11
- Industrial Equipment Oil P12-P14
- Rust-proof Metal Working Oil P15-P16

Lubricating Grease

III

- Vehicle Grease P17-P19
- General Purpose Grease P20-P21
- Industrial Equipment Grease P22-P23
- Electrical Appliance Grease P24

Enterprise honor qualification

V

- Enterprise Honor Qualification P28

Products Category

IV

- Products category P25-P27

CONTENTS



COMPANY PROFILE

ANHUI ZHONGTIAN PETROCHEMICAL CO., LTD.
www.ahztsh.com

Founded in 1998, Anhui Zhongtian Petrochemical Co., Ltd. is a national high-tech enterprise specialized in R&D, production, sales and technical services of lubricating oils and greases.

The company is located in Susong economic development zone, where it's the junction place of Anhui, Hubei and Jiangxi provinces, and where Hefei-Jiujiang railway, Shanghai-Chongqing expressway and 105 national road pass through. It takes two hours by car to the capital cities such as Wuhan, Nanchang and Hefei, which has convenient transportation and unique geographical advantages.

As the leading professional manufacturer of lubricants, the company built first-class intelligent manufacturing production line, equipped with advanced production equipment and sophisticated testing equipment, so as to realize intelligent and accurate production, annual output capacity could up to one hundred and fifty thousand tons. Oils and greases totally more than 700 types, which widely used in industrial and agricultural mechanical equipments, transportation vehicles, national defense & military equipments and civilian facilities etc. Of 60 types of them, the technology is advanced both in domestic and overseas. The company's comprehensive index of production scale, brand influence, scientific research level and economic strength ranks first class in peer private companies.

The company owns a team of well-known experts, professors and experienced technical staff, and established close "school-enterprise" relationship with Tsinghua University, RIPP, HFUT etc., which achieved remarkable R&D results. Academician workstation of Anhui Province was set up, and also the company was honored as "Anhui Province Technology Center", "Anhui Province Lubricants Engineering Research Center" and "Anhui Lubricants Standardization Technical Committee".

The company acquired ISO9001 quality management system certification and ISO14001 environment management system certification, and completed a variety of projects, such as technology reform, technology innovation and torch plan approved by MOST (Ministry of Science and Technology), NDRC (National Development and Reform Commission) and MIIT (Ministry of Industry and Information Technology).

Proprietary brands "Fumantian" and "Noblu" are honored as "Anhui Famous Brand", and "Fumantian" is honored as "China Famous Brand". The company was honored the titles "Anhui Province Quality Award" and "Anhui Famous Branded Product" for consecutive years; and it achieved scientific and technological achievements, high-tech products and various patents, totally more than 80 items, 20 more of them are invention patents.

We always adhere to the business philosophy "Create quality with love, Serve customer with sincerity" and the service mission "Product sold, Responsibility starts". Based on the market, by preposing technology the company overcame many difficulties and achieved continuous innovation. Product quality and technology takes the lead in the domestic peer industry and chases world-class brands such as Mobil, Shell etc. The company established long-term stable business relationship with JAC Group, Ankai Bus, CAMC automotive, Maanshan Iron & Steel, Quanchai Group, Pearl Cement, Kobelco, Hitachi excavator and other large domestic and foreign enterprises. Products take up an area of more than eighty percent in domestic market, and many of them exported to Japan, Russia, South Asia and South-East Asia.

Following the time and trend of the economy, by first-class technology, first-class products and first-class service, the company achieves a series of honorary titles such

as "National High-Tech Enterprise", "National Intellectual Property Advanced Enterprise", "China's Petroleum And Chemical Industry Technology Innovation Demonstration Enterprise", "National Trustworthy Enterprise", "China's Most Independent Innovation Enterprise", "Technology Innovative Demonstration Enterprise Of Anhui Province", "Industry and Information Technology Standardization Demonstration Enterprise of Anhui" and "Top 50 brands of Jiangsu, Zhejiang, Anhui, Jiangxi and Shanghai".

"Lubricating For Mechanical Friction, Oiling For National Rejuvenation". By promoting technology upgrading, accelerating business model transformation, the company continues to adhere to the six keystones "Scientific and Technological Innovation, Brand Strengthening, Market Exploiting, Team Building, Culture Creativity, Value Creation", and continues to serve the traditional market, strengthens e-commerce, international trade and engineering vehicle post-market, fast-promotes crossover cooperation with logistics network platform, actively develops the economy of oil-consuming recycling, determined to build the company into a world-class high-tech lubricants enterprise in the new era.

The pursuit of excellence is endless. On the higher platform, the company will better serve customers and contribute to society with more enthusiasm, higher technology, more perfect quality and more superior service!



Gasoline Engine Oil

SN Gasoline Engine oil

Description This product is produced by advanced blending technology with synthetic technology and functional nano-materials. It can reduce friction, improve engine efficiency, repair the scratches automatically and fully protect the engine.

Application Suitable for gasoline engines require SN quality grade and below the level.

Quality Grade SN

Viscosity Grade SAE 0W/20, 0W/30, 0W/40, 5W/30, 5W/40

Technical indicators

ITEM	QUALITY STANDARD				
	5W/30	10W/30	15W/40	30	40
Viscosity(100 °C),mm ² /s	9.3<12.5	9.3<12.5	12.5<16.3	9.3<12.5	12.5<16.3
Low temperature dynamicviscosity (mPa.s) <	6600(-30 °C)	7000(-25 °C)	7000(-20 °C)	-	-
Flash point (open-cup) , °C >	200	205	215	220	225
Pour point, °C <	-35	-30	-25	-15	-10
Foam Tendency(foam stability), ml/ml					
24 °C, ml/ml <	10/0				
93.5 °C, ml/ml <	50/0				
Second Time 24 °C, ml/ml <	10/0				



SM Gasoline Engine oil

Description This product is produced by advanced blending technology with imported premium synthetic oil and functional nano-materials. It can reduce friction, improve engine efficiency, repair the scratches automatically and fully protect the engine.

Application Suitable for gasoline engines require SM quality grade and below the level.

Quality Grade SM

Viscosity Grade SAE 5W/30, 5W/40, 10W/40

Technical indicators

ITEM	QUALITY STANDARD				
	5W/30	10W/30	15W/40	30	40
Viscosity(100 °C),mm ² /s	9.3<12.5	9.3<12.5	12.5<16.3	9.3<12.5	12.5<16.3
Low temperature dynamicviscosity (mPa.s) <	6600(-30 °C)	7000(-25 °C)	7000(-20 °C)	-	-
Flash point (open-cup) , °C >	200	205	215	220	225
Pour point, °C <	-35	-30	-25	-15	-10
Foam Tendency(foam stability), ml/ml					
24 °C, ml/ml <	10/0				
93.5 °C, ml/ml <	50/0				
Second Time 24 °C, ml/ml <	10/0				



LUBRICATING OIL ▶



SL Gasoline Engine oil

Description This product is produced by advanced blending technology with imported premium synthetic oil and functional nano-materials. It can reduce friction, improve engine efficiency, repair the scratches and fully protect the engine.

Application Suitable for gasoline engines require SL quality grade and below the level.

Quality Grade SL

Viscosity Grade SAE 5W/30, 5W/40, 10W/40

ITEM	QUALITY STANDARD				
	5W/30	10W/30	15W/40	30	40
Viscosity(100℃),mm2/s	9.3<-12.5	9.3<-12.5	12.5<-16.3	9.3<-12.5	12.5<-16.3
Low temperature dynamicviscosity (mPa.s) <	6600(-30℃)	7000(-25℃)	7000(-20℃)	-	-
Flash piont (open-cup) ,℃ >	200	205	215	220	225
Pour point, ℃ <	-35	-30	-25	-15	-10
Foam Tendency(foam stability), ml/ml 24℃, ml/ml < 93.5℃, ml/ml < Second Time 24℃, ml/ml <					10/0 50/0 10/0



SJ Gasoline Engine oil

Description This product is produced by advanced blending technology with imported hydrogenation base oil and high quality additives.

Application Suitable for gasoline engines require SJ quality grade and below the level.

Quality Grade SJ

Viscosity Grade SAE 10W/30, 10W/40, 15W/40

ITEM	QUALITY STANDARD				
	5W/30	10W/30	15W/40	30	40
Viscosity(100℃),mm2/s	9.3<-12.5	9.3<-12.5	12.5<-16.3	9.3<-12.5	12.5<-16.3
Low temperature dynamicviscosity (mPa.s) <	6600(-30℃)	7000(-25℃)	7000(-20℃)	-	-
Flash piont (open-cup) ,℃ >	200	205	215	220	225
Pour point, ℃ <	-35	-30	-25	-15	-10
Foam Tendency(foam stability), ml/ml 24℃, ml/ml < 93.5℃, ml/ml < Second Time 24℃, ml/ml <					10/0 50/0 10/0



SG Gasoline Engine oil

Description This product is produced by advanced blending technology with imported hydrogenation base oil and imported premium additives.

Application Suitable for gasoline engines require SG quality grade and below the level.

Quality Grade SG

Viscosity Grade SAE 15W/40

ITEM	QUALITY STANDARD				
	5W/30	10W/30	15W/40	30	40
Viscosity(100℃),mm2/s	9.3<-12.5	9.3<-12.5	12.5<-16.3	9.3<-12.5	12.5<-16.3
Low temperature dynamicviscosity (mPa.s) <	6600(-30℃)	7000(-25℃)	7000(-20℃)	-	-
Flash piont (open-cup) ,℃ >	200	205	215	220	225
Pour point, ℃ <	-35	-30	-25	-15	-10
Foam Tendency(foam stability), ml/ml 24℃, ml/ml < 93.5℃, ml/ml < Second Time 24℃, ml/ml <					10/0 50/0 10/0



CJ-4 Diesel engine oil

Description This product is produced by advanced blending technology with refined high viscosity index base oil and synthetic base oil and imported composite additives.

Application Suitable for diesel engines require CJ-4 quality grade and below the level, applied to the equipments with heavy duty, high supercharging and high power such as container transport vehicles, construction vehicles, generator sets, large farm machinery equipment, mining and construction engineering equipment.

Quality Grade CJ-4

Viscosity Grade SAE 15W/40, 20W/50

ITEM	QUALITY STANDARD						Test Method
	5W/30	10W/30	15W/40	20W/40	30	40	
Viscosity(100℃),mm2/s	9.3<-12.5	9.3<-12.5	12.5<-16.3	12.5<-16.3	9.3<-12.5	12.5<-16.3	GB/T265
Low temperature dynamicviscosity (mPa.s) <	6600(-30℃)	7000(-25℃)	7000(-20℃)	9500(-15℃)	-	-	GB/T6538
Boundary pumping temperature ℃ <	60000(-35℃)	60000(-30℃)	60000(-25℃)	60000(-20℃)	-	-	SH/0562
Flash piont (open-cup) ,℃ >	200	205	215	215	220	225	GB/T3536
Pour point, ℃ <	-35	-30	-25	-20	-15	-10	GB/T3535
Foam Tendency(foam stability), ml/ml 24℃, ml/ml < 93.5℃, ml/ml < Second Time 24℃, ml/ml <					10/0 20/0 10/0		GB/T12579



CI-4 Diesel engine oil

Description This product is produced by advanced blending technology with the imported semi-synthetic base oil and high quality additives.

Application Suitable for diesel engines require CI-4 quality grade and below the level, applied to the equipments with heavy duty, high supercharging and high power such as container transport vehicles, construction vehicles, generator sets, large farm equipment, mining and construction engineering equipment.

Quality Grade CI-4

Viscosity Grade SAE 15W/40, 20W/50

ITEM	QUALITY STANDARD						Test Method
	5W/30	10W/30	15W/40	20W/40	30	40	
Viscosity(100℃),mm2/s	9.3<-12.5	9.3<-12.5	12.5<-16.3	12.5<-16.3	9.3<-12.5	12.5<-16.3	GB/T265
Low temperature dynamicviscosity (mPa.s) <	6600(-30℃)	7000(-25℃)	7000(-20℃)	9500(-15℃)	-	-	GB/T6538
Boundary pumping temperature ℃ <	60000(-35℃)	60000(-30℃)	60000(-25℃)	60000(-20℃)	-	-	SH/0562
Flash piont (open-cup) ,℃ >	200	205	215	215	220	225	GB/T3536
Pour point, ℃ <	-35	-30	-25	-20	-15	-10	GB/T3535
Foam Tendency(foam stability), ml/ml 24℃, ml/ml < 93.5℃, ml/ml < Second Time 24℃, ml/ml <					10/0 20/0 10/0		GB/T12579



Dual fuel engine oils

CH-4 Diesel engine oil

Description This product is produced by advanced blending technology with the imported premium hydrogenation base oil and imported high quality additives.

Application Suitable for diesel engines require CH-4 quality grade and below the level, applied to the equipments with heavy duty, high supercharging and high power such as container transport vehicles, construction vehicles, generator sets, large farm equipment, mining and construction engineering equipment.

Quality Grade CH-4

Viscosity Grade SAE 15W/40, 20W/50

Technical indicators

ITEM	QUALITY STANDARD						Test Method	
	5W/30	10W/30	15W/40	20W/40	30	40		
Viscosity(100 C),mm2/s	9.3<12.5	9.3<12.5	12.5<16.3	12.5<16.3	9.3<12.5	12.5<16.3	GB/T265	
Low temperature dynamicviscosity (mPa.s) <	6600(-30 C)	7000(-25 C)	7000(-20 C)	9500(-15 C)	-	-	GB/T6538	
Boundary pumping temperature C <	60000(-35 C)	60000(-30 C)	60000(-25 C)	60000(-20 C)	-	-	SH/0562	
Flash piont (open-cup) , C >	200	205	215	215	220	225	GB/T3536	
Pour point, C <	-35	-30	-25	-20	-15	-10	GB/T3535	
Foam Tendency(foam stability), ml/ml 24 C, ml/ml < 93.5 C, ml/ml < Second Time 24 C, ml/ml <							10/0 20/0 10/0	GB/T12579



Dual-Fuel gasoline Engine Oil

Description This product is produced by advanced blending technology with premium base oil and high quality low ash compound additives which specially designed for CNG, LPG gasoline engine.

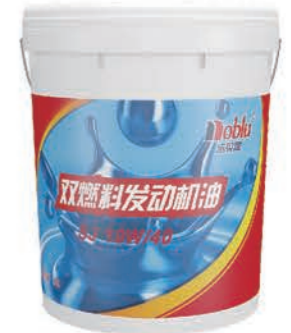
Application Apply to LPG/CNG single fuel engines and LPG or CNG dual-fuel engines.

Quality Grade SG, SJ

Viscosity Grade SAE 10W/40, 15W/40

Technical indicators

ITEM	QUALITY STANDARD		TEST METHOD
	10W/40	15W/40	
Appearance	transparent	transparent	visual
kinematic viscosity (100 C) mm2/s	14.25	14.75	GB/T265
viscosity index	142	146	GB/T1995
Pour point, C <	-39	-30	GB/T3535
flash point (COC) C	236	238	GB/T3536
CCS mPa*s	6278(-25 C)	6309(-25 C)	GB/T6538
TBN(mgKOH/g)	6.8	6.8	SH/T0251
noack evaporation loss (250 C, 1h) %	8.1	7.8	SH/T0059
HTHS (150 C, 106S-1)/(mPa.s)	3.1	3.7	SH/T0751
Water (volume fraction) %	trace	trace	GB/T260
Mechanical impurities (mass fraction) %	none	none	GB/T511
Sulphate ash (m/m) %	0.91	0.91	GB/T2433



CF-4 Diesel engine oil

Description This product is produced by advanced blending technology with refined base oil and imported high quality compound additives.

Application Suitable for diesel engines require CF-4 quality grade and below the level, applied to the equipments with heavy duty, high supercharging and high power such as container transport vehicles, construction vehicles, generator sets, large farm equipment, mining and construction engineering equipment.

Quality Grade CF-4

Viscosity Grade SAE 15W/40, 20W/50

Technical indicators

ITEM	QUALITY STANDARD						Test Method	
	5W/30	10W/30	15W/40	20W/40	30	40		
Viscosity(100 C),mm2/s	9.3<12.5	9.3<12.5	12.5<16.3	12.5<16.3	9.3<12.5	12.5<16.3	GB/T265	
Low temperature dynamicviscosity (mPa.s) <	6600(-30 C)	7000(-25 C)	7000(-20 C)	9500(-15 C)	-	-	GB/T6538	
Flash piont (open-cup) , C >	200	205	215	215	220	225	GB/T3536	
Pour point, C <	-35	-30	-25	-20	-15	-10	GB/T3535	
Foam Tendency(foam stability), ml/ml 24 C, ml/ml < 93.5 C, ml/ml < Second Time 24 C, ml/ml <							20/0 50/0 20/0	GB/T12579



Dual-Fuel Diesel Engine Oil

Description This product is produced by advanced blending technology with high quality base oil and low ash additives specially designed for LPG diesel engine.

Application Apply to engine lubrication for LPG-fueled diesel engine or dual-fuel diesel engines, meeting lubrication requirements of LPG engine made by Weichai, Yuchai, and Dongfeng companies etc.

Quality Grade CH-4, CI-4

Viscosity Grade SAE 10W/40, 15W/40, 20W/40

Technical indicators

ITEM	QUALITY STANDARD		TEST METHOD
	10W/40	15W/40	
Appearance	transparent	transparent	visual
kinematic viscosity (100 C) mm2/s	14.78	15.42	GB/T265
viscosity index	138	148	GB/T1995
Pour point, C <	-39	-30	GB/T3535
flash point (COC) C	236	238	GB/T3536
CCS mPa*s	6078(-25 C)	6116(-25 C)	GB/T6538
TBN(mgKOH/g)	8.9	8.9	SH/T0251
noack evaporation loss (250 C, 1h) %	8.0	7.8	SH/T0059
HTHS (150 C, 106S-1)/(mPa.s)	3.1	3.7	SH/T0751
Water (volume fraction) %	trace	trace	GB/T260
Mechanical impurities (mass fraction) %	none	none	GB/T511
Sulphate ash (m/m) %	0.90	0.90	GB/T2433



Vehicle Gear Oils

GL-5+ Long-term maintenance-free gear oil

- Description** This product is produced by advanced blending technology with imported semi-synthetic base oil and high quality compound additives.
- Application** Apply to all types of trucks, commercial vehicles, particularly for hyperbolic gear rear axle lubrication system in heavy-duty vehicles.
- Quality Grade** GL-5+
- Viscosity Grade** SAE 80W/90, 85W/90, 85W/140



ITEM	QUALITY STANDARD			TEST METHOD
	80W/90	85W/90	85W/140	
Viscosity(100°C),mm ² /s	15.41	15.52	29.32	GB/T 265
Pour point, °C ≤	-30	-18	-12	GB/T3535
flash point °C	232	238	242	GB/T3536
Apparent viscosity150 Pa.s temperature °C	-26	-12	-12	GB/T11145
Foam Tendency (93.5°C) ml	10/0	10/0	10/0	GB/T12579
Rust test, copper plate, grade	1b	1b	1b	GB/T5096
Water %	none	none	none	GB/T2607
Mechanical impurities (mass fraction) %	none	none	none	GB/T511

GL-5 Heavy duty Gear Oil

- Description** This product is produced by advanced blending technology with imported refined high viscosity index base oil and imported sulfur-phosphorous type multifunctional compound additives.
- Application** Apply to all types of trucks, commercial vehicles, particularly for hyperbolic gear rear axle lubrication system in heavy-duty vehicles.
- Quality Grade** GL-5
- Viscosity Grade** SAE 80W/90, 85W/90, 85W/140



ITEM	QUALITY STANDARD					
	75W	80W/90	85W/90	85W/140	90	140
Viscosity(100°C),mm ² /s	>4.1	13.5-24.0	13.5-24.0	24.0-41.0	13.5-24.0	24.0-41.0
Apparent viscosity150 Pa.s temperature °C <	-40	-26	-12	-12	-	-
Flash point (open-cup) , °C >	150	165	165	180	180	200
Ditch point °C <	-45	-35	-20	-20	-17.8	-6.7
Viscosity index	-	-	-	-	75	75
Foam Tendency(foam stability), ml/ml 24°C, ml/ml < 93.5°C, ml/ml < Second Time 24°C, ml/ml <	20/0 50/0 20/0					
Rust Test (Copper plate, 121°C, 3h, grade)	3					

Transmission Oils

Automatic Transmission Fluid

- Description** This product is produced by advanced blending technology with imported synthetic base oil and imported efficient compound additives.
- Application** Suitable for automatic transmission system, power steering system, hydraulic transmission and construction machinery automatic transmission system and other hydraulic system.
- Quality Grade** DEX-II、DEX-VI



ITEM	QUALITY STANDARD		TEST METHOD
	DEX-III	DEX-V	
KV@40°C, cst	36.18	30.24	ASTM D445
KV@100°C, cst	7.10	5.95	ASTM D445
Viscosity Index	163	147	ASTM D2270
Brookfield@-40°C, cp	14975	10820	ASTM D2983
Flash point@COC, °C	224	220	ASTM D92
Pour point, °C	-45	-54	ASTM D97

HA Hydraulic Transmission Oil

- Description** This product is produced by advanced blending technology with refined high viscosity index imported base oil and imported high quality efficient functional compound additives.
- Application** Suitable for imported and homemade cars and light buses hydraulic transmission systems and other equipments need for hydraulic transmission oil.
- Quality Grade** HA
- Viscosity Grade** 6#, 8#



ITEM	QUALITY STANDARD	
	6#	8#
KV@100°C, cst	5.0-7.0	7.5-9.0
Viscosity Index >	90	90
Flash point@COC, °C >	180	190
Pour point, °C <	-25	-20
Rust Test (Copper plate, 121°C, 3h, grade)	pass	pass
maximum nonseizure load, PB, N >	784.5	784.5

Marine oils

High-speed Marine Diesel Engine Oil

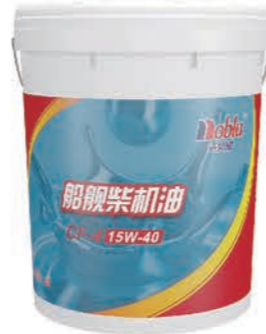
Description This product is produced by advanced blending technology with high quality hydrogenation base oil and imported premium additives, which meets the demands of marine diesel engines at high-speed.

Application Suitable for a variety of heavy-duty, high supercharging generator sets, lifeboats, emergency generators and other small vessels mainframe at high-speed.

Quality Grade CH-4, CF-4

Technical indicators

ITEM	DATA		TEST METHOD
	15W-40	20w-50	
Appearance	Transparency	Transparency	Visual inspection
kinematic viscosity(100℃) mm ² /s	14.75	18.57	GB/T265
viscosity	146	134	GB/T1995
Pour point ℃	-30	-24	GB/T3535
Flash point (open) ℃	238	258	GB/T3536
CCS mPa·s	6309(-25℃)	8712(-15℃)	GB/T6538
TBN(mgKOH/g)	10.8	10.8	SH/T0251
Loss of evaporation (250℃, 1h) %	7.8	7.0	SH/T0059
HTHS (150℃, 106S-1)/(mPa.s)	3.7	3.7	SH/T0751
water%	trace	trace	GB/T260
mechanical impurities %	none	none	GB/T511



Medium Speed Marine Diesel Engine Oil

Description This product is produced by advanced blending technology with paraffinic mineral base oil and selected various high-performance additives. This product is trunk piston diesel marine engine oil with high performance and high base number. It is with performance of good acid neutralize properties and clean dispersion, meeting the requirements of marine engine with high-sulfur fuel.

Application Suitable for lubricating work for trunk piston diesel marine engine or diesel generator sets.

Technical indicators

ITEM	DATA				TEST METHOD
	3030	4012	4030	4040	
Appearance	Transparency	Transparency	Transparency	Transparency	Visual inspection
kinematic viscosity(100℃) mm ² /s	11.42	15.30	15.42	15.56	GB/T265
viscosity	125	128	132	130	GB/T1995
Pour point ℃	-21	-18	-18	-18	GB/T3535
Flash point (open) ℃	228	242	245	248	GB/T3536
Rust test in liquid phase (synthetic seawater) <	none	none	none	none	GB/T11143
TBN(mgKOH/g)	30	11.8	30	31	SH/T0251
Loss of evaporation (250℃, 1h) %	8.7	7.8	7.8	7.8	SH/T0059
Bearing capacity (FZG)	11	11	11	11	SH/T0306
water%	trace	trace	trace	trace	GB/T260
mechanical impurities %	none	none	none	none	GB/T511



Industrial Equipment Oils

Industrial Gear Oil

Description This product is produced by advanced blending technology with refined mineral base oil and various functional additives. Excellent carrying capacity ensures smooth operation for heavy duty gear, reducing the tooth surface scratches and operating noise.

Application Suitable for spur gears, helical gears, spiral bevel gears, bearings or circulating lubrication system such as metallurgy, cement, electric, mining, rubber & plastic, fertilizers, coal with very harsh working conditions.

Quality Grade CKC, CKD

Viscosity Grade 68#, 100#, 150#, 220#, 320#, 460#

Technical indicators

ITEM	QUALITY STANDARD					
	68#	100#	150#	220#	320#	460#
kinematic viscosity(40℃)mm ² /s	61.2-74.8	90-110	135-165	198-242	288-352	414-506
flash point > (open) , ℃	180	180	200	200	200	200
moisture %	trace	trace	trace	trace	trace	trace
Pour point <	-8	-8	-8	-8	-8	-8



Full synthetic heavy duty industrial gear oil

Description Based on synthetic oil, the product is prepared by adding various functional additives such as extreme pressure and anti-wear.

Application It is suitable for all kinds of heavy duty industrial gear sets and other gears which can easily cause vibration load, as well as for circulatory system and sputtering lubrication system.

Quality Grade CKS, CKT

Viscosity Grade 100#, 150#, 220#, 320#, 460#

Technical indicators

ITEM	QUALITY STANDARD					Test Method
	100#	150#	220#	320#	460#	
kinematic viscosity (40℃) mm ² /s	90~110	135~165	198~242	288~352	414~506	GB/T265
Viscosity index >	140	140	140	140	140	GB/T2541
Flash point (open) , ℃ >	200	200	200	200	200	GB/T3536
Pour point, ℃ <	-35	-35	-35	-35	-35	GB/T3535
water, % <	trace	trace	trace	trace	trace	GB/T260
mechanical impurity (m/m)% <	0.02	0.02	0.02	0.02	0.02	GB/T511
Corrosion test grade 100℃, 3h <	1	1	1	1	1	GB/T5096



Rust-proof Metal Working oils

Multi-effect rust resistance cutting fluid

Description This product is microemulsion cutting fluid without any nitrite or phenol and other substances harmful to environment and human; Excellent performance in tramp oil resistance, rust proof and extreme pressure, operational stability and anti-microbial.

Application Suitable for ferrous metal cutting and grinding such as cast iron and carbon steel. 3-5% concentration is recommended for light cutting and grinding, 5% for general cutting and grinding, 7-10% for medium to heavy-duty cutting and grinding.

Technical indicators	ITEM	QUALITY INDEX
	Appearance(concentrated solution)	Transparent yellow liquid
	PH(5%diluent)	7.5-9.5
	surface tension 25°C mN/m	38



Synthetic cutting fluid

Description This product is fully synthetic cutting fluid without any nitrite or phenol and other substances harmful to environment and human; anti-foaming, easy to clean and usage stability.

Application Applicable to all kinds of ferrous metal working such as honing, milling, turning, boring, drilling, tapping and hobbing, milling and reaming; Also suitable for surface grinding, cylindrical grinding, double-disc single side grinding, internal grinding and centerless grinding;

Technical indicators	ITEM	QUALITY INDEX	TESTING METHOD
	appearance	Uniform liquid, without stratification and precipitation	Visual inspection
	transparency	transparent liquid	GB/T6144-2010-5.2
	PH (5%;Liquid)	9.5	GB/T6144-2010-5.3
	TBN mgKOH/g	102.5	GB/T4945
	Rust proof test of cast iron filings (2h)	No rust	IP287
	PB/N	549	GB/T3142
	NO2-concentration detection	none	GB/T6144-2010-5.8



Stamping Oil

Description The product is produced with blending technology by refined mineral base oil and additives with extreme pressure and rust resistance.

Application Applicable to stamping and molding process in all types of automotive parts; also used for stamping and molding for carbon steel and stainless steel plate. Rust resistance treatment relieves between process and process.

Technical indicators	ITEM	QUALITY INDEX
	Appearance	Dark brown oil
	Flash point °C >	165
	kinematic viscosity (40°C) , mm ² /s	15-30



Water film displacement anti-rust oil

Description It's a new type of rust-proof oil, can remove residual directly after metal parts cleaned by aqueous cleaning. Once the workpiece immersed in oil, cleaning residue will be very quick removed.

Application It's suitable for steel and copper rust-proof, phosphating and blackening in short-term storage. Also be used in rust-proof treatment for processes. Rust-proof life is 3 months.

Technical indicators	ITEM	QUALITY INDEX
	Appearance	Tan transparent oil
	Flash point °C >	40
	kinematic viscosity (40°C) , mm ² /s	2.5-4.5
	Rust test (55±2°C, 7d)) grade	0
	Damp heat test(49±1°C)	15

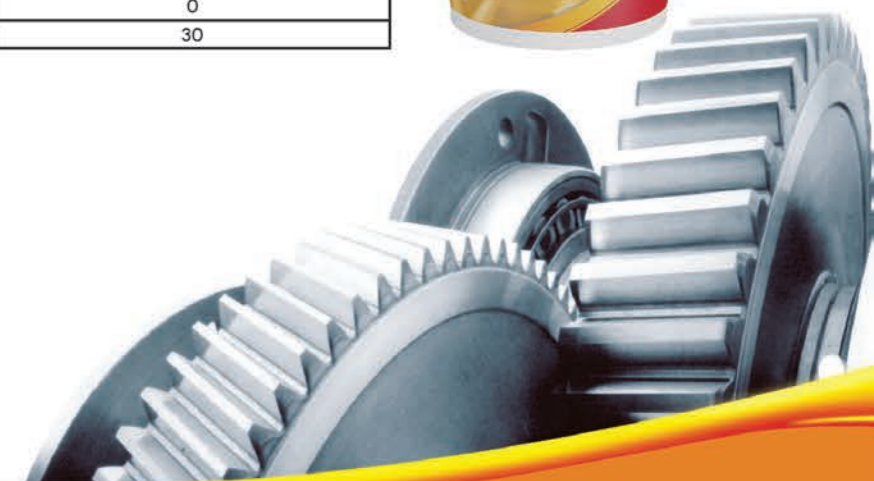


Long-term storage rust oil

Description The product is produced with advanced blending technology with refined mineral base oil and compound rust-proof additives.

Application Applicable to rust proof works for metal products at middle and long-term storage. Storage time is up to two years.

Technical indicators	ITEM	QUALITY INDEX
	Appearance	Tan transparent oil
	Flash point °C >	110
	kinematic viscosity (40°C) , mm ² /s	25-35
	Rust test (55±2°C, 7d)) grade	0
	Damp heat test(49±1°C)	30



Vehicle Grease

▲ Multipurpose lithium base grease for automobile

Description This product is made from complex soap thickened superior mineral base oil, added with variety of extreme pressure and anti-wear additives.

Application This product is suitable for a variety of automotive wheel hubs, chassis, motors, pumps and other parts of the lubrication of friction, and is widely used in lubricating friction parts, such as rolling bearings, plain bearings etc.

Consistency Level 2#, 3#

Operating temperature -30 °C ~ 120 °C

Technical indicators

ITEM	QUALITY INDEX	TESTING METHOD
Working penetration /0.1mm	265-295	GB/ T269
Drop point >	180	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	No green or black color change	GB/T 7326
Steel wire mesh oil(100 °C, 30h)% <	5.0	GB/T 0324
Evaporation capacity(99 °C, 22h)% <	2.0	GB/T 7325
Impurity By Microscope /(pcs/cm ³)		SH/T0336
>10um <	5000	
>25um <	3000	
>75um <	500	
>125um <	0	
Oxidation stability 99 °C, 100h, 0.770Mpa <	0.070	SH/T0325



▲ Construction machinery grease

Description This product is made from high-class fatty acid lithium soap thickened mineral base oil. It is a multi-efficiency, long-life grease. We produce it according to heavy machinery's characteristics of heavy mechanical loads and long working hours. We do a lot of experiments of anti-wear, high temperature resistance, and water resistance, and it shows high energy efficiency and excellent stability.

Application This product is suitable for all kinds of heavy construction machinery, such as excavators, bulldozers, rollers, Scraper, forklift truck, dump truck, mixer, crane, paving machine.

Consistency Level 1#, 2#, 3#

Operating temperature -30 °C ~ 120 °C

Technical indicators

ITEM	QUALITY INDEX		TESTING METHOD
	2#	3#	
Working penetration /0.1mm	265-295	220-250	GB/ T269
Drop point >	150	160	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	qualified	qualified	GB/T 7326
Steel wire mesh oil(100 °C, 30h)% <	5.0	5.0	GB/T 0324
Evaporation capacity(99 °C, 22h)% <	2.0	2.0	GB/T 7325
Impurity By Microscope /(pcs/cm ³)			SH/T0336
>10um <	5000	5000	
>25um <	3000	3000	
>75um <	500	500	
>125um <	0	0	
Anti-corrosion Characteristic (52 °C, 48h) <	1.0	1.0	SH/T5018



LUBRICATING GREASES ▶



Heavy Vehicle Wheel Hub Grease

Description This product is made from complex soap thickened high quality base oil, added with a variety of advanced additives.

Application This product is special for Hub bearing of medium-sized/heavy-duty vehicle, and High-speed passenger cars in harsh working environments., but also suitable for other special machinery bearing in high temperature, heavy-duty, water washout and wet working environment.

Consistency Level 2#, 3#

Operating temperature -30 °C ~ 220 °C

ITEM	QUALITY INDEX	TESTING METHOD
Working penetration /0.1mm	220-250	GB/ T269
Drop point >	300	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	-	GB/T 7326
Steel wire mesh oil(100 °C, 30h)% <	3.0	GB/T 0324
Evaporation capacity(99 °C, 22h)% <	2.0	GB/T 7325
Oxidation stability 99 °C, 100h, 0.770Mpa <	0.070	SH/T 0325
Fluid loss(38 °C, 1h) <	10	SH/T 0109



Automotive CVJ grease

Description This product is made from complex soap thickened superior mineral base oil, added with variety of extreme pressure and anti-wear additives.

Application This product is suitable for lubricating constant velocity joints and friction parts of other heavy machinery and equipment.

Consistency Level 2#

Operating temperature -40 °C ~ 120 °C

ITEM	QUALITY INDEX	TESTING METHOD
Working penetration /0.1mm	265-295	GB/ T269
Drop point >	190	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	-	GB/T 7326
Steel wire mesh oil(100 °C, 30h)% <	2.8	GB/T 0324
Evaporation capacity(99 °C, 22h)% <	2.0	GB/T 7325



Concrete pump truck grease

Description This product is made from higher fatty acid lithium soap thickened refined mineral base oil, added with a special additives.

Application This product is suitable for centralized lubrication system of concrete pump, trailers, gear, heavy-duty gear case and other large machinery and equipment.

Consistency Level 000 #, 00 #, 0 #

Operating temperature -20 °C ~ 120 °C

ITEM	QUALITY INDEX			TESTING METHOD
	0#	00#	000#	
Working penetration /0.1mm	355-385	400-430	445-475	GB/ T269
Drop point >	160	150	140	GB/T 4929
Corrosion (T45 copper sheet 100 °C, 24h) <	qualified	qualified	qualified	GB/T 7326
Impurity By Microscope /(pcs/cm3)	>10um <	5000	5000	SH/T0336
	>25um <	3000	3000	
	>75um <	500	500	
	>125um <	0	0	
	>125um <	0	0	
Anti-corrosion Characteristic (52 °C, 48h) <	1.0	1.0	1.0	SH/T5018



General Purpose Grease

High-temperature grease

Description This product is made from complex metal soap thickened refined mineral base oil, added with extreme pressure anti-wear agents, antioxidants and antirust agent.

Application This product is suitable for lubricating the friction parts of large heavy-duty trucks, high-speed car, metallurgical industry, continuous casting machines, rolling mill, sintering machine, a steel roller and printing, large motors, rubber/plastic hot rolling mill, cement industry, kiln cars and other high-temperature, heavy load machinery and equipment.

Consistency Level 3#

Operating temperature -30 °C ~ 200 °C.

ITEM	QUALITY INDEX	TESTING METHOD
Working penetration /0.1mm	220-250	GB/ T269
Drop point >	280	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	Copper no black or green changing	GB/T 7326
Steel wire mesh oil(100 °C, 30h)% <	5.0	GB/T 0324
Evaporation capacity(99 °C, 22h)% <	2.0	GB/T 7325
extreme pressure (four-ball method)PD.N > ZMZ, N >	3389	SH/T 0202
	441	
Oxidation stability 99 °C, 100h, 0.770Mpa <	0.070	SH/T 0325
Water washout (38 °C, 1h)% <	10	SH/T 0109
Leakage amount(104 °C, 6h)% <	2.5	SH/T 0326
Anti-corrosion (52 °C, 48h)grade	2	SH/T 5018



Extreme pressure Lithium-base grease

Description This product is made from twelve hydroxy acid lithium soap thickened superior high viscosity mineral base oil, added with a variety of additives.

Application This product is suitable for lubricating heavy-duty gear and bearing of steel rolling machinery, mining machinery, construction machinery, heavy lifting machinery, injection molding machinery etc, and applies to impact load components and centralized lubrication systems.

Consistency Level 1 #, 2 #, 3#

Operating temperature -20 °C ~ 120 °C

ITEM	QUALITY INDEX			TESTING METHOD
	1#	2#	3#	
Working penetration /0.1mm	310-340	265-295	220-250	GB/ T269
Drop point >	170	175	180	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	qualified	qualified	qualified	GB/T 7326
Steel Wire Mesh Oil Separation(100 °C, 30h)/% <	5.0	5.0	5.0	SH/T 0324
Evaporation Capacity(99 °C, 22h)/% <	2.0	2.0	2.0	GB/T 7325
Impurity By Microscope /(pcs/cm3)	>10um <	5000	5000	SH/T0336
	>25um <	3000	3000	
	>75um <	500	500	
	>125um <	0	0	
	>125um <	0	0	
Oxidation stability 99 °C, 100h, 0.770Mpa <	0.070	0.070	0.070	SH/T0325
Leakage amount(104 °C, 6h)% <	5.0	5.0	5.0	SH/T0326
Anti-corrosion Characteristic (52 °C, 48h) <	1.0	1.0	1.0	GB/TS018
Water washout (38 °C, 1h)% <	10	10	10	SH/T0109



Polturea-based grease

- Description** This product is made of Poltorea-based thickener and special base oil.
- Application** This product is used in lubrication of metallurgy, mining and other types of machinery and equipment, especially for lubricating rolling and plain bearings of metallurgical equipment (such as continuous casting machines, rolling mills, etc.) at a high temperature, heavy-duty, water spray and other harsh conditions.
- Consistency Level** 1#, 2#, 3#
- Operating temperature** -20 °C ~ 220 °C



Technical indicators

ITEM	QUALITY INDEX			TESTING METHOD
	1#	2#	3#	
Working penetration /0.1mm	310-340	265-295	220-250	GB/T 269
Drop point >	270	280	300	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	qualified	qualified	qualified	GB/T 7326
Oxidation stability 99 °C, 100h, 0.770Mpa <	0.023	0.023	0.023	SH/T0325
Anti-corrosion Characteristic (52 °C, 48h) <	1.0	1.0	1.0	GB/T5018
extreme pressure (four-ball method) PB,N >	785	785	785	SH/T 0202
ash content	0.23	0.23	0.23	SH/T0326

Ultra-high temperature grease

- Description** This product is a fully synthetic grease made of superior synthetic oil thickened by inorganic thickener, added with a large number of solid lubricant and extreme-pressure additive and high temperature anti-oxidation additives.
- Application** This product is mainly used for lubricating bearings and friction parts of heavy-duty equipments in industries of cement, ceramics, glass, textiles, metallurgy, etc. Such as kiln car bearings, chains and baking equipment, door gear. It can also be used on the drying mechanism.
- Consistency Level** 2#, 3#
- Operating temperature** 600 °C



Technical indicators

ITEM	QUALITY INDEX	TESTING METHOD
Working penetration /0.1mm	265-295	GB/T 269
Drop point >	None	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	Copper no black or green changing	GB/T 7326
Steel wire mesh oil(100 °C, 30h)% <	1.0	GB/T 0324

Wide temperature grease

- Description** This product is made from complex soap thickened synthetic oil, added with the antioxidant, rust and other additives.
- Application** This product is suitable for lubricating rolling, sliding bearings and chains, gear of industrial equipment and vehicle in cold or hot area, such as railway electric locomotive tractor, aero dynamo, clutch bearing, heavy-duty vehicle, high-speed racing car, wheel hub bearing of high temperature turbine, mechanical bearing of flame cutting machine, oven, etc.
- Consistency Level** 0#, 1#, 2#
- Operating temperature** -50 °C ~ 200 °C



Technical indicators

ITEM	QUALITY INDEX			TESTING METHOD
	0#	1#	2#	
Appearance	yellowish white-orange yellow			visual test
Working penetration /0.1mm	355-385	310-340	265-295	GB/T 269
Drop point >	250	260	260	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	qualified	qualified	qualified	GB/T 7326
Steel Wire Mesh Oil Separation(100 °C, 24h)/% <	6.0	6.0	5.0	SH/T0324
Impurity By Microscope /(pcs/cm ³)				
>10um <	5000	5000	5000	SH/T0336
>25um <	3000	3000	3000	
>75um <	500	500	500	
>125um <	0	0	0	
Oxidation stability 99 °C, 100h, 0.770Mpa <	0.05	0.05	0.05	SH/T0325
Similar Viscosity (-30 °C, 10s-1) /Pa.s <	800	1200	1800	SH/T0049
Evaporation Capacity(150 °C, 1h),% (m/m) <	3.0	3.0	3.0	GB/T7325
Water washout (38 °C, 1h)% <	6.0	6.0	5.0	SH/T0109

Industrial Equipment Grease

Rolling mill bearing grease

- Description** This product is made of imported high-viscosity base oil thickened by new complex thickener, added with additives of anti-wear, extreme pressure, anti-oxidation, anti-rust etc.
- Application** This product is suitable for lubricating roller bearings of rolling mill in metallurgical industry, especially for roll bearings of hot rolling mill and continuous rolling mill.
- Consistency Level** 2#, 3#
- Operating temperature** -30 °C ~ 120 °C



Technical indicators

ITEM	QUALITY INDEX		TESTING METHOD
	2#	3#	
Working Penetration /0.1mm	265-295	220-250	GB/T269
Drop point >	300	300	GB/T3498
Corrosion (T2 copper sheet 100 °C, 24h) <	qualified	qualified	GB/T 7326
Steel Wire Mesh Oil Separation(100 °C, 24h)/% <	1.5	0.8	SH/T0324
Water washout (38 °C, 1h)% <	2.4	0.75	SH/T0109
extreme pressure (Timken method)ok .N >	178	178	SH/T 0203
extreme pressure (four-ball method) PB,N >	3923	4904	SH/T 0202
ZMZ,N >	561	661	

Charging roller table grease

- Description** The product is made from the most advanced polyurea thickened synthetic base oils, plus a variety of additives and high temperature ultra-fine solid additives through special process.
- Application** This is suitable for lubricating various charging roller table bearings, conveyor roller, pushing steel machine bearing of metallurgical rolling system. It is also suitable for lubricating heavy-duty roller bearings and other high-temperature heavy-duty bearings of hot rolling mill, gears and transmission mechanism.
- Consistency Level** 1#, 2#
- Operating temperature** -30 °C ~ 200 °C



Technical indicators

ITEM	QUALITY INDEX	TESTING METHOD
Drop point >	300	GB/T3498
Corrosion (T2 copper sheet 100 °C, 24h) <	qualified	GB/T 7326
Steel Wire Mesh Oil Separation(100 °C, 24h)/% <	5.0	SH/T0324
Evaporation Capacity(250 °C),% (m/m) <	10	SH/T 0337
extreme pressure (four-ball method) PB,N >	110*9.8	SH/T 0202
PD,N >	410*9.8	
Water washout (38 °C, 1h)% <	0.76	SH/T 0109
roller stability (25 °C, 2h), change value 0.1mm <	8	SH/T 0122-92

Electrical Appliance Grease

Heavy-duty open gear grease

Description This product is made from high viscosity base oil with new polyurea-based thickener, adhesive additives and solid lubricant additives.

Application This product is mainly used in lubricating open gears, gear tray, rack and chain drive mechanism of construction machinery in metallurgy, mining. It is also suitable for many kinds of hinges, slides and ropes.

Consistency Level 0#, 00#, 000#

Operating temperature -30 °C ~ 180 °C

ITEM	QUALITY INDEX			TESTING METHOD
	000#	00#	0#	
Drop point ≥	220	230	240	GB/T 4929
Corrosion (45# steel sheet 100 °C, 24h) <	qualified	qualified	qualified	GB/T 7326
Oxidation stability 99 °C, 100h, 0.770Mpa <	0.5	0.4	0.3	SH/T0325
Base oil kinematic viscosity (40 °C) mm ² /s	1000-2000	2000-3000	3000-4000	GB/T265-88
extreme pressure (four-ball method)				
P.B.N >	800	900	1000	SH/T 0202
P.D.N >	4000	5000	6000	



Gear reducer grease

Description This product is made of higher fatty acid lithium soap thickened mineral base oil, added with additives of extreme pressure, anti-oxidation, anti-rust, etc.

Application This product is suitable for the lubrication of non-circulating gear reducer.

Consistency Level 0#, 00#, 000#

Operating temperature -30 °C ~ 120 °C

ITEM	QUALITY INDEX		TESTING METHOD
	00#	0#	
Working Penetration /0.1mm	400-430	355-385	GB/T 4929
Corrosion (T2 copper sheet 100 °C, 24h) <	qualified	qualified	GB/T 7326
Oxidation stability 99 °C, 100h, 0.770Mpa <	0.058	0.039	SH/T0325
extreme pressure (four-ball method)			
P.D.N >	2452	2452	SH/T 0122-92



High temperature kiln car grease

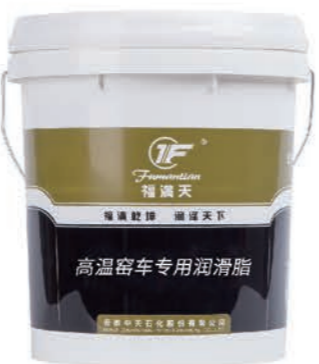
Description This product is made from ureido compounds thickened superior high viscosity mineral base oil, added with additives of antioxidant, anti-rust, anti-wear and extreme pressure.

Application This product can guarantee the normal lubrication of each operation site of kiln cars in high temperature environment. It is also suitable for lubrication of sintering machine in metallurgical industries.

Consistency Level 2#, 3#

Operating temperature -30 °C ~ 200 °C

ITEM	QUALITY INDEX	TESTING METHOD
Working Penetration /0.1mm	265-295	GB/T269
Drop point ≥	300	GB/T3498
Oil separation-pressure method, %, (m/m) <	6	GB/T 392
Evaporation Capacity(250 °C),% (m/m) <	5	SH/T 0337
Corrosion (45# steel sheet 100 °C, 3h) <	qualified	SH/T 0331



Electrical contact grease

Description This product is made from special synthetic oil with thickener and conductive additive.

Application This product is suitable for all engineering maintenance and protection of electrical contacts in weak current engineering. Not only is it suitable for stationary contacts, but also for inserting connectors and smooth adjustment.

Consistency Level 2#

Operating temperature -35 °C ~ 120 °C

ITEM	QUALITY INDEX	TESTING METHOD
Appearance	White	visual test
Working Penetration /0.1mm	265-295	GB/T269
Drop point ≥	160	GB/T3498
Evaporation Capacity(250 °C),% (m/m) <	1.0	GB/T 0337
Corrosion (45# copper sheet 100 °C, 3h) <	qualified	SH/T 0331
volume resistance (Ω-cm) <	120	self testing



Electrical insulating grease

Description The product is made from inorganic thickener thickened synthetic oil, added with additives of antioxidant anti-corrosion.

Application This product is mainly applicable to insulation, sealing and protection of high voltage circuit breakers, and sealing. And it is also suitable for insulation, tamper-evident and lubrication of electrical switches, precision machinery and electrical equipment.

Operating temperature -45 °C ~ 200 °C

ITEM	QUALITY INDEX	TESTING METHOD
Working Penetration /0.1mm	480-530	GB/T269
Similar Viscosity (-40 °C, 10s-1) /Pa.s <	300	GB/T0048
Evaporation Capacity(250 °C),% (m/m) <	2.0	GB/T 0337
Corrosion (T2 copper sheet 100 °C, 3h) <	qualified	SH/T 0331
breakdown voltage (Spacing of 25 mm, slab.) kv >	30	GB/T 507
Dielectric loss factor(90 °C) <	0.005	GB/T 5654



Damping grease

Description The strains of high-purity inorganic thickener thickening special synthetic oil, and add a variety of additives, oxidation, rust, etc., it is a widely used high-quality damping grease at room temperature.

Application This product is suitable for damping and silencing of potentiometer adjustment mechanism, applying to the damping and silencing of optical drive, tape recorders, video recorders and other electrical slow start mechanism. Applying to damping and silencing of fully automatic washing machines and other sanitary ware; Applying to damping and non-slip of telescope, camera lenses and other focusing system. Applying to damping and protection of the steering wheel combination switch, instrument pointers reset mechanism.

Consistency Level 2#

Operating temperature -20 °C ~ 130 °C

ITEM	QUALITY INDEX	TESTING METHOD
Appearance	White	visual test
Working Penetration /0.1mm	260-295	GB/T269
Drop point ≥	250	GB/T3498
Evaporation Capacity(200 °C),% (m/m) <	5.0	GB/T 0337
Similar Viscosity (0 °C, 10s-1) /Pa.s <	1800	SH/T 0048



Series	Product name	Quality level (API)	Viscosity grade(SAE)	Packaging	
Automotive Lubricating oil	Engine oil	SJ, SG	5W/30, 10W/40, 15W/40, 20W/50	4L, 200L	
		Gasoline engine oil	SL	5W/30, 5W/40, 10W/30, 10W/40, 15W/40	4L, 200L
			SM, SN	0W/20, 0W/30, 0W/40, 5W/30, 5W/40	4L, 200L
		Diesel engine oil	CF-4, CH-4, CI-4, CJ-4, CK-4/FA-4	10W/30, 15W/40, 20W/50	4L, 18L, 200L
		Double fuel engine oil	SJ, SG, CH-4, CI-4	10W/40, 15W/40, 20W/50	4L, 18L, 200L
	Gear oil	Medium-duty automobile gear oi	GL-4	75W/90, 80W/90, 85W/90, 85W/140	4L, 18L, 200L
		Heavy-duty automobile gear oi	GL-5	80W/90, 85W/90, 85W/140	4L, 18L, 200L
		Long-term maintenance free gear oil	GL-5+	80W/90, 85W/90, 85W/140	4L, 18L, 200L
	ATF	MTF	-	75W/80, 75W/85, 75W/90, 80W/90, 85W/90	4L, 18L, 200L
		ATF	DEX-III, DEX-VI	-	1L
		CVTF	-	-	1L
		DCTF	DCTF	-	1L
		Hydrodynamic drive oil	HA	6#, 8#	1L
	Industrial equipment oil	Anti-wear hydraulic oil	HM	15#, 22#, 32#, 46#, 68#, 100#, 150#	18L, 200L
		Hydraulic slide way oil	HG	32#, 68#	18L, 200L
Fire-resistant hydraulic oil		HFD	32#, 46#, 68#, 100#	18L, 200L	
Multi-grade hydraulic oils		HV, HS	15#, 22#, 32#, 46#, 68#, 100#	18L, 200L	
Closed industrial gear oil		CKC, CKD	68#, 100#, 150#, 220#, 320#, 460#, 680#	18L, 200L	
Open industrial gear oil		CKH, CKJ	68#, 100#, 150#, 220#, 320#	18L, 200L	
Full-synthetic gear oil		CKS, CKT	50#, 220#, 320#, 460#, 680#	18L, 200L	
Worm gear oil		CKE, CKE-P	220#, 320#, 460#, 680#, 1000#	18L, 200L	
Reciprocating air compressor oil		DAA, DAB, DAC	32#, 46#, 68#, 100#, 150#	18L, 200L	
Rotary air compressor oil		DAG, DAH, DAJ	15#, 22#, 32#, 46#, 68#, 100#	18L, 200L	
Frozen oil		DRB/A, DRB/B	22#, 32#, 46#, 68#, 100#, 220#, 320#	18L, 200L	
Turbine oil		TSA, TSB	32#, 46#, 68#, 100#	18L, 200L	
Rail oil		L-G	32#, 68#, 100#, 150#	18L, 200L	
Vacuum pump oil		DAV	46#, 68#, 100#	18L, 200L	
		HTF	QB, QC	QB300, QC320	200L
	Spindle oil	FC, FD	2#, 5#, 7#, 10#	18L, 200L	

Series	Product name	Quality level (API)	Viscosity grade(SAE)	Packaging
Industrial equipment oil	Film bearing oil	-	100#, 220#, 320#, 460#	18L, 200L
	Textile machine oil	-	5#, 7#, 10#, 15#, 22#, 32#, 46#, 68#	18L, 200L
	Sewing machine oil	-	2#, 3#, 5#, 7#, 10#, 15#, 22#	18L, 200L
	FL High Temperature Chain Oil	FL1, FL2	-	18L, 200L
Industrial equipment oil	Medium-speed trunk piston engine oil	4008, 4012, 4020, 4030	-	18L, 200L
	Cylinder oil	5050, 5070	-	18L, 200L
	High-speed marine diesel engine oil	CF-4, CH-4	10W/40, 15W/40	18L, 200L
	Marine system oil	3006, 3006, 4006, 4008	-	18L, 200L
Industrial equipment oil	Rust emulsified oil	FMQ811	-	18L, 200L
	Line cutting fluid	FMQ813	-	18L, 200L
	Non-ferrous metal emulsion	FMQ814	-	18L, 200L
	Multi-effect anti-rust cutting fluid	FMQ822	-	18L, 200L
	CNC machine tools Powerful cutting fluid	FMQ831	-	18L, 200L
	Precision Grinding Fluid	FMQ910	-	18L, 200L
	Aluminum cutting fluid	FMQ920	-	18L, 200L
	Universal multi-effectcutting oil	FL1, FL2	-	18L, 200L
	Heavy-duty cutting oil	FMQ921	-	18L, 200L
	Deep hole drilling oil	FMQ930	-	18L, 200L
	Ultra-fine grinding honing oil	FMQ940	-	18L, 200L
	Non-ferrous metal processing oil	FMQ950, FMQ951	-	18L, 200L
	EDM oil	FMQ801	-	18L, 200L
	Copper wire drawing liquid	FMQ802	-	18L, 200L
Aluminum drawing fluid	FMQ803	-	18L, 200L	
Stainless steel drawing fluid	FMQ804	-	18L, 200L	
Metal anti-rust oil	Water film displacement antirust oil	FR911	-	18L, 200L
	Strong penetrating antirust oil	FR912	-	18L, 200L
	Universal antirust oil	FR921	-	18L, 200L
	Long-term antirust oil	FR922	-	18L, 200L
	Slim antirust oil	FR923	-	18L, 200L
	Antirust/lubricating oil	FR941	-	18L, 200L
	Antirustt grease	FR951	-	18L, 200L

Product Catalogue-----Lubricating Grease

Series	Product name	NLGI level	Working temperature	Packaging
Automotive lubricating grease	Heavy-duty automotive wheel bearing grease	2#, 3#	-30 C ~ 220 C	0.8 ~ 2kg/container, 15kg/pail, 170kg/drum
	Automotive CVJ grease	2#	-40 C ~ 120 C	12kg, 15kg/pail, 170kg/drum
	Multipurpose lithium grease for automobile	2#, 3#	-30 C ~ 220 C	12kg, 15kg/pail, 170kg/drum
	Shield machine grease	-	-20 C ~ 120 C	12kg, 15kg/pail, 170kg/drum
	Construction machinery grease	1#, 2#, 3#	-30 C ~ 130 C	12kg, 15kg/pail, 170kg/drum
General purpose grease	Concrete pump grease	0#, 00#, 000#	-20 C ~ 120 C	12kg, 15kg/pail, 170kg/drum
	FT108 lithium grease	1#, 2#, 3#	-20 C ~ 120 C	12kg, 15kg/pail, 170kg/drum
	Multi-purpose lithium grease	1#, 2#, 3#	-20 C ~ 120 C	12kg, 15kg/pail, 170kg/drum
	Extreme pressure lithium grease	1#, 2#, 3#	-30 C ~ 120 C	12kg, 15kg/pail, 170kg/drum
	Molybdenum disulfide lithium grease	1#, 2#, 3#	-30 C ~ 150 C	12kg, 15kg/pail, 170kg/drum
	Semi-fluid lithium grease	0#, 00#, 000#	-20 C ~ 110 C	12kg, 15kg/pail, 170kg/drum
	HP high-temperature grease	3#	-30 C ~ 200 C	12kg, 15kg/pail, 170kg/drum
	Extreme pressure lithium complex grease	2#, 3#	-30 C ~ 220 C	12kg, 15kg/pail, 170kg/drum
	Polyurea grease	1#, 2#, 3#	-20 C ~ 220 C	12kg, 15kg/pail, 170kg/drum
	Complex calcium sulfonate grease	2#, 3#	-30 C ~ 230 C	12kg, 15kg/pail, 170kg/drum
	Plastic gear grease	1#, 2#	-40 C ~ 150 C	12kg, 15kg/pail, 170kg/drum
	Long-life bearing grease	1#, 2#, 3#	-30 C ~ 200 C	12kg, 15kg/pail, 170kg/drum
	White grease	1#, 2#, 3#	-30 C ~ 130 C	12kg, 15kg/pail, 170kg/drum
	Ultra-high temperature grease	2#, 3#	600 C	12kg, 15kg/pail, 170kg/drum
	Ultra-low temperature grease	1#, 2#	-60 C ~ 140 C	12kg, 15kg/pail, 170kg/drum
Wide temperature greases	1#, 2#	-50 C ~ 200 C	12kg, 15kg/pail, 170kg/drum	
Industrial equipment grease	Precision bearing grease	2#, 3#	-20 C ~ 130 C	12kg, 15kg/pail, 170kg/drum
	Rope surface grease	-	-30 C ~ 50 C	12kg, 15kg/pail, 170kg/drum
	Rope heart grease	-	-30 C ~ 60 C	12kg, 15kg/pail, 170kg/drum
	Heavy-duty open gear grease	0#, 00#, 000#	-30 C ~ 180 C	12kg, 15kg/pail, 170kg/drum
	Gear reducer grease	0#, 00#, 000#	-30 C ~ 120 C	12kg, 15kg/pail, 170kg/drum
	Rolling mill bearing grease	2#, 3#	-30 C ~ 200 C	12kg, 15kg/pail, 170kg/drum
	Sintering machine grease	0#, 1#, 2#	-30 C ~ 200 C	12kg, 15kg/pail, 170kg/drum
	Caster special grease	0#, 1#, 2#	-30 C ~ 200 C	12kg, 15kg/pail, 170kg/drum
	Charging roller table grease	1#, 2#	-30 C ~ 200 C	12kg, 15kg/pail, 170kg/drum
	Calender grease	1#, 2#	-30 C ~ 150 C	12kg, 15kg/pail, 170kg/drum
	High temperature kiln car grease	2#, 3#	-30 C ~ 200 C	12kg, 15kg/pail, 170kg/drum
	Mixing machine grease	0#, 00#, 000#	-30 C ~ 180 C	12kg, 15kg/pail, 170kg/drum
	Electrical equipment grease	Food machinery grease	1#, 2#	-30 C ~ 180 C
Electrical contact grease		2#	-35 C ~ 120 C	12kg, 15kg/pail, 170kg/drum
Electrical insulating grease		0#, 00#	-45 C ~ 200 C	12kg, 15kg/pail, 170kg/drum
	Damping grease	2#	-20 C ~ 130 C	12kg, 15kg/pail, 170kg/drum

