

CILONG



易龙润滑油

TRAVELING TOGETHER·LIVE UP TO TRUST

“易”路同行 不负信任

Focusing on better lubricating oil cooling solutions
Assist customers in improving efficiency and reducing costs

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COMPANY PROFILE

公司简介

潍坊奥润德新材料科技有限公司位于古九州山东青州，是集高端润滑油研发、生产、销售、服务于一体的高新技术企业。主要产品有工程机械用油，汽车用油，工业用油，风电用油、军工、船舶用油及工业机器人专用油等。产品有汽机油、柴机油、液压油、齿轮油、传动油、切削液、防冻液、润滑脂、润滑油添加剂等产品。覆盖汽车、工业、工程机械、军工、船舶、电力、新能源等众多领域。

公司核心生产线由德国制造，年产能可达12万吨。齐全的设施和贯穿生产各个环节的卓越质量控制流程使我们能够为客户提供满意的产品。此外，我们还获得了TS16949、ISO9001、ISO14001:2015等认证。

Weifang Aorunde New Material Technology Co., Ltd. is located in Qingzhou, Shandong Province, China. It is a high-tech enterprise that integrates the research and development, production, sales, and service of high-end lubricants. The main products are engineering machinery oil, automobile oil, industrial oil, wind power oil, military oil, ship oil and industrial robot oil. The products include engine oil, diesel engine oil, hydraulic oil, gear oil, transmission oil, cutting fluid, antifreeze, lubricating grease, lubricating oil additives, and other products. It covers automobile, industry, engineering machinery, military industry, shipbuilding, electricity, new energy and many other fields.

The company's core production line is manufactured in Germany, with an annual production capacity of up to 120,000 tons. Our complete facilities and excellent quality control processes throughout all stages of production enable us to provide customers with satisfactory products. In addition, we have also obtained certifications such as TS16949, ISO9001, ISO14001:2015, etc.

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Traveling together Live up to trust

易龙润滑油始终坚持“内抓质量、外抓服务”的发展方针。公司产品已应用于国内多家大中型企业，易龙润滑油可为客户提供高性价比的初装油和售后产品。主要客户有山东重工集团、徐工集团、山推工程机械、明宇重工机械、奥力特重工、云内动力、凯马汽车等。目前在全国各地有150余家优质代理商和服务中心，可为客户后市场提供及时、全面、便捷的润滑产品与技术服务。

EILONG Lubricants always adheres to the development policy of "focusing on quality internally and service externally". The product has been applied in many large and medium-sized enterprises in China, and EILONG Lubricants can provide customers with cost-effective initial oil and after-sales products. Our main clients include Shandong Heavy Industry Group, XCMG Group, Shantui Engineering Machinery, Mingyu Heavy Industry Machinery, etc. At present, there are more than 150 high-quality agents and service centers across the country, which can provide timely, comprehensive, and convenient lubrication products and technical services for customers in the aftermarket.

我们诚邀您浏览本手册
进一步了解我们
将如何助力您的业务发展

We invite you to browse
through this brochure and find
out how we can support your
personal vision.

100000^{m²}

Land occupation area
占地面积

150⁺

Existing employees 现
有员工

\$200million⁺

Annual sales revenue
年销售额

30%

Global export products
全球出口产品



公司旗下“易龙”品牌先后荣获“山东省著名商标”和“中国驰名商标”等荣誉。公司2020年2月先后荣获山东省 润滑油行业协会副会长单位、中国石油和化学工业联合会全国润滑油企业联盟理事单位。2021年易龙润滑油车队穿 越新疆天山无人区和大海道雅丹无人区，车辆用油测验取得圆满成功。

The "EILONG" brand under the company has successively won honors such as "Shandong Famous Trademark" and "China Famous Trademark". In February 2020, the company successively won the titles of Vice President Unit of Shandong Lubricant Industry Association and Director Unit of National Lubricant Enterprise Alliance of China Petroleum and Chemical Industry Federation. In 2021, the Yilong lubricant fleet crossed the uninhabited areas of Tianshan and Yadan in Xinjiang, and achieved complete success in vehicle oil testing.

为您提供更好的润滑解决方案

Provide you with better lubrication solutions

公司首席科学家是来自中国科学院的刘维民院士，依托院士工作站，公司先后与中国科学院兰州所、清华大学等科研院所、高校展开了不同形式的技术合作，形成了一支由世界顶尖、多学科交叉的人才队伍，可实现从产品研发、中试、产业化、售后服务的全生命周期技术支持，并且荣获省重点项目和省重大科技创新项目。

2022年4月，中科院刘维民院士唯一院士工作站二期合作共同针对高端设备用油进行深度开发。2022年，依托院士工作站申报的高端装备用液压油关键技术研究及产业化项目被山东省科技厅评为山东省重大科技创新项目。

2020年，依托奥润德重点实验室，公司引进德国专家 Steffen Knoop博士的先进技术，开展针对植物基切削液的研发工作并实现了国内的产品产业化，打破了国外对优质切削液技术的垄断局面。通过降低制造成本，促进产业发展，也彻底打破传统矿物油的不可再生对可持续发展的制约。植物基切削液研发与产业化项目被评为山东省新旧动能转换优选项目。

公司高端润滑材料实验室被评为重点实验室，累计授权专利40余项，其中已授权发明专利20项。

The chief scientist of the company is academician Liu Weimin from the Chinese Academy of Sciences. Relying on the academician workstation, the company has carried out different forms of technical cooperation with scientific research institutes and universities such as the Lanzhou Institute of the Chinese Academy of Sciences and Tsinghua University, forming a team of world-class interdisciplinary talents, which can realize the full life cycle technical support from product research and development, pilot test, industrialization and after-sales service, and has won the provincial key projects and provincial major scientific and technological innovation projects.

In April 2022, Academician Liu Weimin of the Chinese Academy of Sciences elaborated on the second phase of the **only academician workstation to conduct in-depth development of high-end equipment oil**. In 2022, the key technology research and industrialization project of hydraulic oil for high-end equipment, which was applied based on the academician workstation, was rated as a major scientific and technological innovation project in Shandong Province by the Science and Technology Department of Shandong Province.

In 2020, relying on the Orande Key Laboratory, the company introduced the advanced technologies of Dr. Steffen Knoop, a German expert, to carry out R&D on plant-based cutting fluids and successfully industrialize the products domestically. This achievement broke the foreign monopoly on high-quality cutting fluid technologies. By reducing manufacturing costs, the company has boosted the development of the industry and completely eliminated the constraints of the non-renewable nature of traditional mineral oils on sustainable development. The R&D and industrialization project of plant-based cutting fluids was named a Preferred Project for the Replacement of Old Growth Drivers with New Ones in Shandong Province.

The company's high-end lubricant material laboratory has been rated as a key laboratory, with a total of more than 40 authorized patents, including 20 authorized invention patents.



ENGINEERING MACHINERY OIL 工程机械用油

L-HV LOW TEMPERATURE ANTI-WEAR HYDRAULIC OIL 低温抗磨液压油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 卓越的超低温性能，确保设备在低温严寒环境下安全启动，提高液压系统的可靠性；优异的粘温性能，使油品具有宽泛的工作温度，即使在高温环境下依然能够提供有效的保护；
- ◆ 优异的抗磨性能，在各种负荷条件下都能发挥可靠的效能；
- ◆ 优异的氧化安定性和热稳定性，延长换油周期，降低维护成本。
- ◆ Its excellent ultra-low temperature performance ensures the safe startup of equipment in rigid environments and enhances the reliability of hydraulic systems; its outstanding viscosity-temperature properties enable the oil product to adapt to a wide operating temperature range and still provide effective protection even under high-temperature conditions.
- ◆ Excellent antiwear performance, capable of reliable performance under various load conditions;
- ◆ Excellent oxidation stability and thermal stability, extended oil change cycle, and reduced maintenance costs.

应用范围/APPLICATION SCOPE:

适用于严寒及温度变化较大的环境中使用的工程机械、建筑机械、油田机械、矿山机械等。

Suitable for engineering machinery, construction machinery, oilfield machinery, mining machinery, etc. used in environments with severe cold and large temperature changes.

产品等级及规格

PRODUCT GRADE & SPECIFICATIONS:

32#/46#/68#
2L*8/4L*6/16L/18L/200L



6#/8# HYDRAULIC TRANSMISSION OIL 液力传动油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 卓越的热稳定性和氧化稳定性保证长期及连续的变速性能，良好的油膜强度和抗磨性，降低磨损程度并延长变速器寿命；
- ◆ 卓越的低温性能，易于启动，并改善低温环境下的润滑性能，有效的泡沫控制，可实现连续的换挡性能，并在严酷环境下减少流体损失，与多数通用密封材料相容，有助于控制泄漏，满足新车型的要求。
- ◆ Its excellent thermal stability and oxidation stability ensure long-term and continuous transmission performance, good oil film strength and wear resistance, reduce wear degree and extend transmission life;
- ◆ Excellent low temperature performance, easy to start and improve lubrication performance at low temperatures, effective foam control, continuous shift performance and reduce fluid loss in harsh environments, compatible with most general purpose sealing materials, help control leakage and meet the requirements of new models.

应用范围/APPLICATION SCOPE:

在某些指定要符合 Dexron IID 级性能的自动和手动排挡装置的轻型货车，以及动力转向系统；同时也适用于采用类似液压装置的其他特种液压系统，非公路用的要求满足 Dexron IID 的动力转向装置或其他液压系统及工业用液压系统与组件。

Light trucks with automatic and manual transmission devices, as well as power steering systems, specified to comply with Dexron IID performance standards; it is also applicable to other special hydraulic systems that use similar hydraulic devices. For non-highway use, it is required to meet the Dexron IID power steering device or other hydraulic systems, as well as industrial hydraulic systems and components.

产品等级及规格

PRODUCT GRADE & SPECIFICATIONS:

6#/8#
2L*8/4L*6/16L/18L/200L



L-HM HIGH PRESSURE ANTI-WEAR HYDRAULIC OIL 高压抗磨液压油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 具有较高黏度指数，表现出良好的高、低温环境的使用性能。其卓越的抗氧化性使该产品在高温操作的情况下仍然能够提供良好润滑性能，延长换油周期。优秀的抗磨保护可延长设备的使用寿命及减少故障停机。
- ◆ 优异的防锈性能使液压系统免受锈蚀的影响；优异的过滤性，防止回路沉淀物形成，保持回路清洁，有效防止过滤器堵塞；快速的空气释放性，可及时排出空气，保证液压系统工作平稳。
- ◆ This product has a high viscosity index and shows good performance in high and low temperature environments. Its excellent oxidation resistance enables the product to still provide good lubrication performance under high-temperature operation and extend the oil change interval. Excellent anti-rust protection extends equipment life and reduces downtime. Excellent anti-sediment performance protects the hydraulic system from the effects of corrosion; excellent filterability prevents the formation of circuit sediments, keeps the circuit clean, and effectively prevents filter clogging; rapid air release can discharge air in time to ensure the operation of the hydraulic system smooth.

应用范围/APPLICATION SCOPE:

适用于高压或高温下启动的液压装置(工程机械、挖掘机、装卸机等)、塑料铸型造机、存在环境污染和水污染危险的液压装置、需要耐磨损性极佳的高性能润滑的应用领域。

It is suitable for hydraulic device starting under high pressure or high temperature (geotechnics, excavators, loading and unloading machines, etc.), plastic casting moulding machines, hydraulic devices with environmental pollution and water pollution risk, high-performance lubrication applications requiring excellent wear resistance.

产品等级及规格 GRADE & SPECIFICATIONS:

32#/46#/68#
4L*6/18L/200L



GL-5 HEAVY DUTY VEHICLE GEAR OIL 重负荷车辆齿轮油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 重负荷车辆齿轮油的性能特点，能够满足加长换油间隔与延长使用期的严格要求。这类产品专门适用于重型传动系统——该系统既要求齿轮润滑油具备较高粘度与出色负荷承载能力，又可能面临极端压力和冲击负荷的工况。
- ◆ 其在低温与高温环境下的适用性、抗热降解及抗氧化保护能力、减磨抗腐蚀效果、抗剪稳定性、长期运行可靠性，以及在提升燃料经济性方面，均展现出卓越性能。
- ◆ The performance characteristics of heavy-duty vehicle gear oils meet the strict requirement for extended oil change intervals and service life. These products are specifically designed for heavy-duty transmission systems that demand gear lubricants with high viscosity and excellent load-carrying capacity, as well as operating conditions prone to extreme pressure and shock loads.
- ◆ They exhibit outstanding performance in low and high temperature adaptability, resistance to thermal degradation and oxidation, wear and corrosion reduction, shear stability, long-term operational reliability, and fuel economy improvement.

应用范围/APPLICATION SCOPE:

要求API GL-5和MT-1 标准的公路轻型和重型卡车、巴士和厢型车，其它重型工业的齿轮传动系统，包括在以高速/冲击负荷、高速/低扭矩和/或低速/高扭矩为主条件下作业的准双曲面齿轮和蜗轮。

Requirements for API GL-5 and MT-1 highway light and heavy truck, bus and box vehicles, and other heavy industrial gear transmission systems, including hypoid gears and worm gears operating under high impact load, high/low torque and/or low/high torque conditions.

产品等级及规格

PRODUCT GRADE & SPECIFICATIONS:

80W-90/85W-90/85W-140/140
2L*8/4L*6/16L/18L/200L



EILONG EXTENDED-LIFE HYDRAULIC OIL 易龙超长寿命液压油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 卓越的极压抗磨性能，减缓设备的磨损，有效延长泵及系统的运转寿命。
- ◆ 优异的热稳定性和氧化安定性，减缓油品的衰变速度，延长换油期。
- ◆ 优良的抗泡性和空气释放性，保证系统灵敏、准确、平稳的传递静压能。
- ◆ 优良的抗乳化性和过滤性，可使混入油中的水分迅速分离，最大限度的减少过滤器堵塞，保证油品的正常润滑。
- ◆ 与各种常规密封材料均有良好的适应性。
- ◆ Excellent extreme-pressure and anti-wear performance, which reduces equipment wear and effectively extends the service life of pumps and systems.
- ◆ Outstanding thermal stability and oxidation stability, which slows down oil degradation and prolongs the oil change interval.
- ◆ Superior anti-foaming property and air release property, ensuring sensitive, accurate and stable transmission of static pressure energy in the system.
- ◆ Excellent antiemulsification and filtration performance, which enables rapid separation of water mixed in the oil, minimizes filter logging and ensures normal oil lubrication.
- ◆ Good compatibility with various conventional sealing materials.



应用范围/APPLICATION SCOPE:

适用于石油化工、冶金、煤炭、建筑行业装配中有低中压(压力8~16 MPa) 不同类型国产或进口高压及超高压设备。如起重 机、挖掘机、翻斗车等各种大型工程机械的高压液压系统。

It is applicable to various types of domestic or imported high-pressure and ultra-high-pressure equipment with low to medium pressure (8-16 MPa) in the assembly processes of petrochemical, metallurgical, coal, and construction industries, such as the high-pressure hydraulic systems of various large-scale engineering machinery including cranes, excavators, and dump trucks.

产品品种/PRODUCT GRADES:

L-HM 32、46、68、100

符合或超越以下标准 COMPLIES WITH OR EXCEEDS THE FOLLOWING STANDARD:

SH/T 0692-2000

典型数据:

项目Project	L-HM 32	L-HM 46	实验方法Experimental method
运动粘度Kinematic Viscosity [40°C] mm ² /s	33.30	43.50	GT/T 265
粘度指数Viscosity Index	96	96	GT/T 2541
闪点(开口)Flash Point (Open Cup) °C	209	216	GT/T 3536
倾点Pour Point, °C	-18	-14	GT/T 3535
空气释放值Air Release Value [50°C], min	4.8	6.5	GTT 0308
密封适应性指数Seal Compatibility Index	6.7	6.8	GT/T 0305
抗乳化度Demulsibility at 54°C (40-37-3), min	12	15	SH/T 7305

DUAL PURPOSE HYDRAULIC TRANSMISSION OIL 液压传动两用油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 本产品采用深度精制的高粘度指数基础油，以PMA 为稠化剂，加入适量抗磨、抗氧、防锈、防腐、降凝抗泡等性能的进口多功能添加剂，经科学配方精制而成。
- ◆ 粘度指数很高，凝点很低，低温粘度小，在寒冷天气下仍能保持优异的启动性。优良的抗磨、防锈、防腐性、减缓设备的磨损，延长使用寿命。适宜的摩擦特性，使换挡感觉舒适。
- ◆ This product is prepared with deeply refined high viscosity index base oil through scientific formula with PMA as the thickener and the addition of a proper amount of imported multi-functional additives with the performance of resistance to oxidation, rust, corrosion and bubbles and pour point depression. Due to very high viscosity index, very low condensation point and low viscosity at low temperature, it can still maintain excellent start in cold weather. Good wearing, rust and corrosion resistance slow down equipment wearing and extend the service life. Appropriate friction makes shift comfortable.

应用范围/APPLICATION SCOPE:

适用于国产及进口大马力拖拉机的液压、传动、制动系统的润滑。也适用于各类工程及港口机械的液压、传动系统的润滑。

Suitable for lubrication of hydraulic, transmission, and braking systems of domestic and imported high-power tractors. It is also suitable for lubrication of hydraulic and transmission systems in various engineering and port machinery.

产品等级及规格 PRODUCT GRADE & SPECIFICATIONS:

6#/18#

2L*8/4L*6/16L/18L/200L



CG-4 ENGINEERING MACHINERY DIESEL ENGINE OIL 工程机械柴油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 超凡的修复功能，显著降低发动机工作噪音，减少震动，修复磨损；
- ◆ 超凡的节能效果，显著提高动力；超凡的环保功能，减少汽车尾气中有害气体排放25%以上；满足欧Ⅲ国际排放标准；
- ◆ 极好的高温清净分散性能，保持发动机清洁、极佳的热和氧化稳定性，延长换油期1倍，节省营运费用。
- ◆ The extraordinary repair function significantly reduces engine noise, vibration, and repairs wear and tear.
- ◆ The extraordinary energy-saving effect significantly improves power. The extraordinary environmental protection function reduces the discharge of harmful gas in automobile exhaust by more than 25%, it meets the European III emission standards;
- ◆ Extremely good high temperature, detergency and dispersion keep the engine clean with excellent thermal and oxidation stability. Extends the oil change cycle by 1 time and saves operating costs.

应用范围/APPLICATION SCOPE:

适用于各种采用自然吸气与涡轮增压柴油发动机的工程机械，特别适用于欧洲、日本以及国产工程机械制造商对换油周期有特殊要求的车辆，请配备使用专用滤清器。本品不适用于装有DPF(柴油颗粒捕捉器)的欧Ⅳ和欧Ⅴ发动机。

Suitable for various construction machinery using naturally aspirated and turbocharge diesel engines, especially for vehicles with special requirements for oil change intervals from European, Japanese, and domestic construction machinery manufacturers. Please equip and use dedicated filters. This product is not suitable for Euro IV and Euro V engines equipped with DPF [Diesel Particulate Filter].

产品等级及规格 PRODUCT GRADE & SPECIFICATIONS:

10W-30/15W-40/20W-50

2L*8/4L*6/16L/18L/200L



QINGGONG SERIES 青工系列工程机械用油

L-HM HIGH PRESSURE ANTI-WEAR HYDRAULIC OIL 高压抗磨液压油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 粘度指数很高,凝点很低,低温粘度小,在寒冷天气下仍能保持优异的启动力;
- ◆ 优良的抗磨、防锈、防腐性、减缓设备的磨损,延长使用寿命;
- ◆ 适宜的摩擦特性,使换挡感觉舒适。
- ◆ The viscosity index is very high, the freezing point is very Low, the low temperature viscosity is small, and it can still maintain excellent start-up performance in cold weather;
- ◆ Excellent anti-wear, anti-rust, anti-corrosion properties, slow down the wear of equipment and prolong the service life;
- ◆ Suitable friction characteristics make shifting feel comfortable.

产品等级及规格 GRADE&SPECIFICATIONS:

32#/46#/68#
4L*6/18L/200L



8# HYDRAULIC TRANSMISSION OIL 液力传动油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 适宜的粘度及良好的粘温性,确保在苛刻的工作条件下能准确、灵敏地传递动力。
- ◆ 具有极佳抗磨、防腐性能,使车辆有良好的操控性能,减少磨损、噪音和震动,延长机械的使用寿命。优良的热稳定、低温流动性、抗乳化和抗泡性能,保证动力的可靠传输。
- ◆ Proper viscosity and good viscosity-temperature properties ensure accurate and sensitive power transmission under harsh working conditions.
- ◆ It has excellent anti-wear and anti-corrosion performance, so that the vehicle has good handling performance, reduces wear, noise and vibration, and extends the service life of the machine. Excellent thermal stability, low-temperature fluidity, anti-emulsification and anti-foaming properties ensure reliable power transmission.

产品规格 /SPECIFICATIONS: 4L*6/18L/200L



GL-5 HEAVY-DUTY GEAR OIL 重负荷齿轮油

性能特点 /CHARACTERISTICS:

- ◆ 超强极压抗磨性,可在齿轮表面迅速形成强效抗磨油膜,以确保传动齿轮不会因为承受巨大的压力而磨损;
- ◆ 超强的成沟点指标,有效防止齿面表层的剥落及点蚀;优异的抗磨性能,特别适用于双曲线齿轮的传动装置。
- ◆ 可以在各种冲击负荷的工作状况下提供卓越保护,有效防止冲击负荷带来的齿轮表面的疲劳而出现齿轮损坏。
- ◆ Superextreme pressure and anti-wear properties, which can quickly form a strong anti-wear oil film on the gear surface to ensure that the transmission gear will not be worn out due to huge pressure;
- ◆ Super grooving point index to prevent peeling and pitting of the tooth surface; excellent anti-wear performance, especially suitable for hypoid gear transmissions.
- ◆ It can provide excellent protection under various shock load working conditions, and effectively prevent the gear surface from fatigue caused by shock load and gear damage.

产品等级及规格 GRADE&SPECIFICATIONS:

80W-90/85W-90/85W-140/140
2L*8/4L*6/16L/18L/200L

CH-4 HIGH PRESSURE DIESEL ENGINE OIL 高增压柴油机油

性能特点/CHARACTERISTICS:

- ◆ 采用进口高粘度指数基础油配以进口复合添加剂精制的优质柴油发动机油;
- ◆ 高效维护性能,即使在非常恶劣的工作状态下也能为发动机提供极佳的保护。
- ◆ 控制高温沉淀物的产生,保持发动机的工作效率。
- ◆ 通过最大限度的延长润滑油使用寿命和发动机免检时间。
- ◆ High-quality diesel engine oil refined with imported high viscosity index base oil and imported compound additives; Efficient maintenance performance, even in very bad working conditions can provide excellent protection for the engine.
- ◆ Control the generation of high temperature deposits and maintain the working efficiency of the engine.
- ◆ By maximizing the service life of lubricating oil and engine exemption time.

产品等级及规格 GRADE&SPECIFICATIONS:

10W-30/15W-40/20W-50
2L*8/4L*6/16L/18L/200L

CF-4 HEAVY DUTY DIESEL ENGINE OIL 重负荷柴油机油

性能特点 /CHARACTERISTICS:

- ◆ 超凡的修复功能,显著降低发动机工作噪音,减少震动,修复磨损,减少维修次数。
- ◆ 超凡的节能效果,显著提高动力,增强马力和,极大节省燃油。极佳的热稳定性和氧化稳定性,延长换油期1倍,节省运营费用。
- ◆ 极好的高温清净分散性能,保持发动机清洁。为恶劣条件下工作的工程机械提供有效的保护。
- ◆ Superb repair function, significantly reducing engine operating noise, minimizing vibration, repairing wear and tear, and reducing maintenance frequency.
- ◆ Extraordinary energy-saving effect, significantly improving power, enhancing horsepower, and greatly saving fuel. Excellent thermal and oxidative stability, doubling the oil change period and saving operating costs.
- ◆ Excellent high-temperature cleaning and dispersion performance, keeping the engine clean. Provide effective protection for construction machinery working under harsh conditions.

产品等级及规格 GRADE&SPECIFICATIONS:

10W-30/15W-40/20W-50
2L*8/4L*6/16L/18L/200L



AGRICULTURAL MACHINERY OIL 农业机械用油



- ◆ 易龙高品质润滑油始终关注与支持农业发展，在农业机械设备用油方面具备丰富的润滑配套和应用研究经验，能为各类农业机械提供全系统润滑解决方案。
- ◆ 易龙产品线齐全，可满足各类农业机械设备的润滑要求，如中大型农业拖拉机、收割机、拖拉机、采棉机、插秧机等大功率农业机械的传动、液压、湿式刹车、齿轮系统等。
- ◆ 易龙农机润滑油是由深度精制基础油和多种添加剂调制而成，拥有超强的抗磨性能、优异的热氧化稳定性、良好的低温流动性，大大提高了系统工作效率，让动力传输更加稳定。
- ◆ EILONG High Quality lubricants always pay attention to and support agricultural development. It has rich experience in lubrication matching and application research in agricultural machinery and equipment oil, and can provide comprehensive lubrication solutions for various types of agricultural machinery.
- ◆ EILONG has a complete product line that can meet the lubrication requirements of various agricultural machinery and equipment, such as transmission, hydraulic, wet brakes, gear systems, etc. for large and medium-sized agricultural tractors, harvesters, tractors, cotton pickers, rice transplanters and other high-power agricultural machinery.
- ◆ EILONG agricultural machinery lubricating oil is formulated from deeply refined base oil and various additives, with super strong anti-wear performance, excellent thermal oxidation stability, and good low-temperature flowability greatly improving system efficiency and making power transmission more stable.





API SP SUPER SYNTHETIC GASOLINE ENGINE OIL 超级全合成汽油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 采用全合成高品质基础油，高性能添加剂配制而成，具有出色的燃油经济性，优异的耐高温性和卓越的低温流动性；
- ◆ 低灰分的特点满足现在严格的排放要求；
- ◆ 优异的抗磨损性能，有效减少发动机磨损，延长发动机寿命；
- ◆ 清洁性能强，持久耐用，为发动机提供强劲动力；
- ◆ 具有较高的抗氧化能力，持久完美润滑。
- ◆ Made from fully synthetic high-quality base oil and high-performance additives, it has excellent fuel economy, high temperature resistance, and excellent low-temperature fluidity;
- ◆ The low ash content meets the current strict emission requirements;
- ◆ Excellent wear resistance, effectively reducing engine wear and extending engine life;
- ◆ Strong cleaning performance, durable and long-lasting, providing strong power for the engine;
- ◆ Has high antioxidant capacity and long-lasting effect lubrication.

应用范围/APPLICATION SCOPE:

本产品适用于采用缸内直喷、涡轮增压、自动启停和混合动力等发动机技术的车型。

This product is suitable for vehicle models that use engine technologies such as direct injection, turbocharging, automatic start stop, and hybrid power.



API SP ADVANCED FULLY SYNTHETIC GASOLINE ENGINE OIL 高级全合成汽油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 采用全合成高品质基础油，高性能添加剂配制而成，具有出色的燃油经济性，优异的耐高温性和卓越的低温流动性；
- ◆ 低灰分的特点满足现在严格的排放要求；
- ◆ 优异的抗磨损性能，有效减少发动机磨损，延长发动机寿命；
- ◆ 清洁性能强，持久耐用，为发动机提供强劲动力；
- ◆ 具有较高的抗氧化能力，持久完美润滑。
- ◆ Made from fully synthetic high-quality base oil and high-performance additives, it has excellent fuel economy, high temperature resistance, and excellent low-temperature fluidity;
- ◆ The low ash content meets the current strict emission requirements;
- ◆ Excellent wear resistance, effectively reducing engine wear and extending engine life;
- ◆ Strong cleaning performance, durable and long-lasting, providing strong power for the engine;
- ◆ Has high antioxidant capacity and long-lasting perfect lubrication.

应用范围/APPLICATION SCOPE:

本产品适用于采用缸内直喷、涡轮增压、自动启停和混合动力等发动机技术的车型。

This product is suitable for vehicle models that use engine technologies such as direct injection, turbocharging, automatic start stop, and hybrid power.



技术参数/TECHNICAL PARAMETER:

产品名称 Product Name	产品等级 Product grade	产品粘度 Product viscosity	满足规格 Meet specifications	包装规格 Packaging specifications
超级全合成汽油机油 Super synthetic gasoline engine oil	API SP	0W-20	ACEA C5	1L × 12/4L × 4 55L/200L
		0W-30	ACEA C3	
		0W-40	ACEA A3/B4	
高级全合成汽油机油 Advanced fully synthetic gasoline engine oil	API SP	5W-20	ILSAC GF-6	1L × 12/4L × 4 55L/200L
		5W-30	ILSAC GF-6	
		5W-40	ACEA A3/B4	

ADVANCED FULLY SYNTHETIC GASOLINE ENGINE OIL 高级全合成汽油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 独特的低磷环保配方，有效延长三元催化器的使用寿命。
- ◆ 优良的抗磨损和抗腐蚀性能，减少发动机的磨损，延长发动机寿命。
- ◆ 优良的清净分散性，有效控制油泥和积炭生成，使发动机更为洁净。
- ◆ Unique low-phosphorus and environmentally friendly formula effectively extends the service life of the three-way catalytic converter.
- ◆ Excellent resistance to wearing and corrosion reduces the wear and tear and extends the service life of the engine.
- ◆ Excellent detergency and dispersion effectively prevents the generation of sludge and carbon deposits, so that the engine is cleaner.

应用范围/APPLICATION SCOPE:

推荐用于多气门、涡轮增压、直喷发动机的各种高级轿车、赛车、跑车，如雷克萨斯、宝马7系、奔驰S级和奥迪A8、保时捷、法拉利等车型。

Recommended for various high-end sedans, racing cars, and sports cars with multi valve, turbocharged, and direct injection engines, such as Lexus, BMW 7 Series, Mercedes-Benz S-Class, Audi A8, Porsche, Ferrari, and others.

产品粘度/PRODUCT VISCOSITY:

5W-30/5W-40

包装规格/SPECIFICATIONS:

1L×12/4L×4/55L/200L



API SN FULLY SYNTHETIC GASOLINE ENGINE OIL 全合成汽油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 独特的低磷环保配方，有效延长三元催化器的使用寿命。
- ◆ 优良的抗磨损和抗腐蚀性能，减少发动机的磨损，延长发动机寿命。
- ◆ 优良的清净分散性，有效控制油泥和积炭生成，使发动机更为洁净。
- ◆ Unique low-phosphorus and environmentally friendly formula effectively extends the service life of the three-way catalytic converter.
- ◆ Excellent resistance to wearing and corrosion reduces the wear and tear and extends the service life of the engine.
- ◆ Excellent detergency and dispersion effectively prevents the generation of sludge and carbon deposits, so that the engine is cleaner.

应用范围/APPLICATION SCOPE:

推荐用于多气门、涡轮增压、直喷发动机的各种高级轿车、赛车、跑车，如雷克萨斯、宝马7系、奔驰S级和奥迪A8、保时捷、法拉利等车型。

Recommended for various high-end sedans, racing cars, and sports cars with multi valve, turbocharged, and direct injection engines, such as Lexus, BMW 7 Series, Mercedes-Benz S-Class, Audi A8, Porsche, Ferrari, and others.

产品粘度/PRODUCT VISCOSITY:

5W-30/10W-40

包装规格/SPECIFICATIONS:

1L×12/4L×4/55L/200L



SL SYNTHETIC GASOLINE ENGINE OIL 合成汽油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 具有超强的粘温性能和抗氧化性能，全天候保护发动机工作效应，满足四季多气候条件下发动机要求；卓越的抗磨损性能，有效减少发动机磨损，延长发动机寿命；
- ◆ 其清洁分散性及良好的油泥控制，清除发动机积碳，长期保持机油和发动机清洁度，持久耐用，为发动机提供强劲动力；
- ◆ 优异的流动性，使引擎散热更快，提升燃油经济性。
- ◆ Made from high-performance fully synthetic base oil and high-performance additives, it has super strong viscosity temperature performance and anti-oxidation performance, providing all-weather protection for engine operation and meeting engine requirements under various weather conditions throughout the year; Excellent anti-wear performance, effectively reducing engine wear and extending engine life;
- ◆ Its cleanliness, dispersibility, and good sludge control can remove engine carbon deposits, maintain oil and engine cleanliness for a long time, and provide strong power for the engine.
- ◆ Excellent fluidity can help engine heat dissipation and improve fuel economy.

应用范围/APPLICATION SCOPE:

特别推荐适用于各种高级轿车、赛车、客车上，如奔驰E级、宝马5系、丰田皇冠、现代劳恩斯、讴歌等高档车型。
It is especially recommended for use in various advanced cars, racing cars and passenger cars, such as Benz E-class, BMW 5 series, Toyota Crown, Hyundai Rohns, Acura and other high-end car types.

产品粘度及规格

PRODUCT VISCOSITY AND SPECIFICATIONS:

5W-30/5W-40/10W-40

1L×12/4L×4/55L/200L



SJ SYNTHETIC GASOLINE ENGINE OIL 合成汽油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 良好的抗磨损和抗腐蚀性能，减少发动机的磨损，延长发动机寿命。
- ◆ 良好的清净分散性，有效控制油泥和积炭生成，使发动机更为洁净。
- ◆ 良好的抗氧化性，更有效的延长油品使用寿命。
- ◆ Good resistance to wearing and corrosion reduces the wear and tear and extends the service life of the engine.
- ◆ Excellent detergency and dispersion effectively prevents the generation of sludge and carbon deposits, so that the engine is cleaner.
- ◆ Excellent anti-oxidation extends the service life of oils.

应用范围/APPLICATION SCOPE:

特别推荐适用于都市轿车，如宝来、爱丽舍、捷达、富康等车型以及要求使用SJ/SH/SG等级别机油的汽油发动机。

It is especially recommended for use in urban cars, such as Bora, Elysee, Jetta, Fukang, and gasoline engines that require the engine oil of SJ/SH/SG grade.

产品粘度/PRODUCT VISCOSITY:

10W-30/15W-40/20W-50

包装规格/SPECIFICATIONS:

1L×12/4L×4/55L/200L





CK-4 SUPER SYNTHETIC DIESEL ENGINE OIL 超级全合成柴油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 具有卓越的抗酸腐蚀、抗沉积物和抗磨损能力，能在金属表面形成强效保护油膜，完美保护发动机的同时可延长换油周期。
- ◆ 可提高润滑分子活力，进一步增强产品性能，在完美保护发动机运转的同时提供优异的压力表现和动力输出，延长发动机寿命。
- ◆ 其出色的燃油经济性，适用于现代和最新柴油机技术的严苛应用中。
- ◆ It has excellent acid corrosion resistance, sediment resistance, and wear resistance, and can form a strong protective oil film on metal surfaces, perfectly protecting the engine while extending the oil change cycle.
- ◆ It can improve the vitality of lubricating molecules, further enhance product performance, provide excellent pressure performance and power output while perfectly protecting engine operation, and extend engine life.
- ◆ Its excellent fuel economy is suitable for harsh applications of modern and latest diesel engine technologies.

应用范围/APPLICATION SCOPE:

大多数各代发动机，包括运用所有类型的尾气后处理技术、且带有涡轮增压器、缸内直喷和低排放设计的新型且先进的高性能柴油发动机；高速/重负荷车辆和短途厢型车/送货车等。

Most engines of all generations, including new and advanced high-performance diesel engines with turbochargers, direct injection in cylinders and Low-emission designs that use all types of tailgas post-treatment technologies: High speed/heavy load vehicles and short range vans/delivery trucks, etc.



技术参数 / TECHNICAL PARAMETER:

产品名称 Product Name	产品等级 Product grade	产品粘度 Product viscosity	包装规格 Packaging specifications
超级全合成柴油发动机油 Super synthetic diesel engine oil	API CK-4	10W-40	4L*6/18L/200L
全合成柴油发动机油 Fully synthetic diesel engine oil	API CK-4	10W-30/10W-40/15W-50	4L*6/18L/200L
合成柴油发动机油 Synthetic diesel engine oil	API CK-4	15W-40/20W-50	4L*6/18L/200L

CK-4 FULLY SYNTHETIC DIESEL ENGINE OIL 全合成柴油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 具有卓越的抗酸腐蚀、抗沉积物和抗磨损能力，能在金属表面形成强效保护油膜，完美保护发动机的同时可延长换油周期。
- ◆ 可提高润滑分子活力，进一步增强产品性能，在完美保护发动机运转的同时提供优异的压力表现和动力输出，延长发动机寿命。
- ◆ 其出色的燃油经济性，适用于现代和最新柴油机技术的严苛应用中。
- ◆ It has excellent acid corrosion resistance, sediment resistance, and wear resistance, and can form a strong protective oil film on metal surfaces, perfectly protecting the engine while extending the oil change cycle.
- ◆ It can improve the vitality of lubricating molecules, further enhance product performance, provide excellent pressure performance and power output while perfectly protecting engine operation, and extend engine life.
- ◆ Its excellent fuel economy is suitable for harsh applications of modern and latest diesel engine technologies.

应用范围/APPLICATION SCOPE:

大多数各代发动机，包括运用所有类型的尾气后处理技术、且带有涡轮增压器、缸内直喷和低排放设计的新型且先进的高性能柴油发动机；高速/重负荷车辆和短途厢型车/送货车等。

Most engines of all generations, including new and advanced high-performance diesel engines with turbochargers, direct injection in cylinders and Low-emission designs that use all types of tailgas post-treatment technologies: High speed/heavy load vehicles and short range vans/delivery trucks, etc.



CJ-4 FULLY SYNTHETIC DIESEL ENGINE OIL

全合成柴油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 可提供两倍油膜强度，油膜分子更均匀，可有效减少金属间摩擦。
- ◆ 具有卓越的抗酸腐蚀、抗沉积物和抗磨损能力，能在金属表面形成强效保护油膜，完美保护发动机的同时可延长换油间隔。
- ◆ 在完美保护发动机运转的同时提供着优异的压力表现和动力输出，有助于延长发动机寿命，提供长换油周期。
- ◆ 出色的燃油经济性，适用于现代和最新柴油机技术的严苛应用。
- ◆ Provides twice the oil film strength with more uniform oil film molecules, effectively reducing metal-to-metal friction.
- ◆ Excellent acid corrosion resistance, sediment resistance and wear resistance, can form a strong protective oil film on the metal surface, perfect protection of the engine at the same time can extend the oil change interval.
- ◆ It provides excellent pressure performance and power output while perfectly protecting engine operation, helping to extend engine life and provide long oil change cycle.
- ◆ Its excellent fuel economy is suitable for harsh applications with modern and latest diesel technology.

应用范围/APPLICATION SCOPE:

大多数各代发动机，包括运用所有类型的尾气后处理技术、且带有涡轮增压器、缸内直喷和低排放设计的新型且先进的高性能柴油发动机；高速/重负荷车辆和短途厢型车/送货车等。

Most engines of all generations, including new and advanced high performance diesel engines with turbochargers, direct injection in cylinders and low-emission designs that use all types of tail gas post-treatment technologies: High speed/heavy load vehicles and short range vans/delivery trucks, etc.

产品粘度及规格

PRODUCT VISCOSITY AND SPECIFICATIONS:

10W-30/10W-40/15W-50
4L*6/18L/200L



CI-4 ADVANCED SYNTHETIC DIESEL ENGINE OIL

高级合成柴油机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 可提供两倍油膜强度，油膜分子更均匀，可有效减少金属间摩擦。
- ◆ 具有卓越的抗酸腐蚀、抗沉积物和抗磨损能力，能在金属表面形成强效保护油膜，完美保护发动机的同时可延长换油间隔。
- ◆ 在完美保护发动机运转的同时提供着优异的压力表现和动力输出，有助于延长发动机寿命，提供长换油周期。
- ◆ 出色的燃油经济性，适用于现代和最新柴油机技术的严苛应用。
- ◆ Provides twice the oil film strength with more uniform oil film molecules, effectively reducing metal-to-metal friction.
- ◆ Excellent acid corrosion resistance, sediment resistance and wear resistance, can form a strong protective oil film on the metal surface, perfect protection of the engine at the same time can extend the oil change interval.
- ◆ It provides excellent pressure performance and power output while perfectly protecting engine operation, helping to extend engine life and provide long oil change cycle.
- ◆ Its excellent fuel economy is suitable for harsh applications with modern and latest diesel technology.

应用范围/APPLICATION SCOPE:

大多数各代发动机，包括运用所有类型的尾气后处理技术、且带有涡轮增压器、缸内直喷和低排放设计的新型且先进的高性能柴油发动机。高速/重负荷车辆和短途厢型车/送货车等。还可用于各种装载机、挖掘机、压路机、推土机等工程机械。

Most engines of all generations, including new and advanced high performance diesel engines with turbochargers, direct injection in cylinders and low-emission designs that use all types of tail gas post-treatment technologies: High speed/heavy load vehicles and short range vans/delivery trucks, etc.

产品粘度及规格 VISCOSITY & SPECIFICATIONS:

10W-30/10W-40/15W-50
4L*6/18L/200L



CH-4 SYNTHETIC DIESEL ENGINE OIL

合成柴油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 可提供两倍油膜强度，油膜分子更均匀，可有效减少金属间摩擦。具有卓越的抗酸腐蚀、抗沉积物和抗磨损能力，能在金属表面形成强效保护油膜，完美保护发动机的同时可延长换油间隔。
- ◆ 完美保护发动机运转的同时提供优异的压力表现和动力输出，有助于耐高温，抗磨损，控制烟灰生成，维持工作粘度，稳定油压泵送。
- ◆ Provides twice the oil film strength, more uniform oil film molecules, effectively reducing metal-to-metal friction. It has excellent resistance to acid corrosion, sediment and wear, forming a strong protective oil film on the metal surface, providing excellent lubrication protection for diesel engines operating in harsh environments.
- ◆ It provides excellent pressure performance and power output while perfectly protecting engine operation. It helps to resist high temperature and wear, control soot generation, maintain working viscosity and stabilize oil pressure pumping.

应用范围/APPLICATION SCOPE:

中国、欧洲、日本和美国制造商的自然吸气与涡轮增压柴油动力发动机，公路轻型与重型卡车，包括柴油发动机和汽车的混合车队。

Chinese, European, Japanese and American manufacturers of naturally inhaled and turbocharged diesel engines, hybrid fleets of road light and heavy trucks, including diesel engines and automobiles.

产品粘度及规格

PRODUCT VISCOSITY AND SPECIFICATIONS:

10W-30/10W-40/15W-50
4L*6/18L/200L



CF-4 HEAVY DUTY DIESEL ENGINE OIL

重负荷柴油发动机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 采用进口优质基础油配以进口复合添加剂精制而成的优质柴油发动机油；超强抗磨性能，有效减少苛刻行驶条件下的磨损，有效延长发动机运转寿命。
- ◆ 出众的清净分散性和氧化安定性，有效防止活塞环粘并并保持发动机清洁，保证油品在高温下具有足够的抗氧化能力，合理的配方体系有效的降低机油消耗量。
- ◆ High quality diesel engine oil refined with imported composite additives using imported high-quality base oil; Super strong anti-wear performance, effectively reducing wear under harsh driving conditions and prolonging the engine's operating life;
- ◆ Excellent cleanliness, dispersibility, and oxidation stability effectively prevent piston ring adhesion and maintain engine cleanliness, ensuring that the oil has sufficient antioxidant capacity at high temperatures. A reasonable formulation system effectively reduces oil consumption.

应用范围/APPLICATION SCOPE:

适用于要求使用CF-4 级柴油机油的涡轮增压或自然进气柴油发动机，还可以用于各种重负荷卡车、装载机、挖掘机、压路机等工程机械。

It is suitable for turbocharged or natural intake diesel engines that require diesel engine oil of CF-4 grade, as well as various heavy load trucks, loaders, excavators, road roller and other engineering machinery.

产品粘度及规格

PRODUCT VISCOSITY AND SPECIFICATIONS:

10W-30/10W-40/15W-50
4L*6/18L/200L



GL-5 HEAVY LOAD GEAR OIL 重负荷齿轮油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 超强极压抗磨性，可在齿轮表面迅速形成强效抗磨油膜，确保传动齿轮不会因为承受巨大压力而磨损；强力的成沟点指标，防止齿轮表层剥落及点蚀；优异的抗磨性能，特别适用于双曲线齿轮的传动装置；
- ◆ 为各种冲击负荷的工作状况下提供卓越保护，有效防止冲击负荷带来的齿轮表面疲劳。
- ◆ Super-strong extreme pressure abrasion resistance can form strong antiwear oil film quickly on the surface of the gear, thus ensuring that the drive gears will not wear due to great pressure. Brute force channel point index can prevent the spalling and pitting of gear surface. Excellent antiwear performance is especially suitable for the transmission device of hyperbolic gear.
- ◆ It can provide excellent protection under various working conditions of impact load, and effectively prevent the gear surface fatigue caused by impact load.

应用范围/APPLICATION SCOPE:

要求API GL-5和 MT-1 标准的公路轻型和重型卡车、巴士和箱型车，其它重型工业的齿轮传动系统，包括在以高速/冲击负荷、高速/低扭矩和/或低速/高扭矩为主条件下作业的准双曲面齿轮和蜗轮。Requirements for API GL-5 and MT-1 highway Light and heavy truck, bus and box vehicles, and other heavy industrial gear transmission systems, including hypoid gears and worm gears operating under high impact load, high/low torque and/or low/high torque conditions.

产品粘度及规格

PRODUCT VISCOSITY AND SPECIFICATIONS:

85W-90/85W-140/140
4L*6/18L/200L



ELONG SYNTHETIC BRAKE FLUID 易龙合成制动液

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 硼酸酯型制动液，干、湿平衡回流沸点高，高温性能优异；
- ◆ 优良的防锈、防腐蚀、抗氧化及橡胶相容性能，确保制动安全平稳。
- ◆ Boric acid ester brake fluid has a high boiling point for dry and wet equilibrium reflux, and excellent high and low temperature performance;
- ◆ Excellent rust, corrosion, oxidation, and rubber compatibility properties ensure safe and smooth braking.

技术规格/TECHNICAL SPECIFICATIONS:

FMVSS NO.116 DOT4 GB 12981—2003 HZY4

应用范围/APPLICATION SCOPE:

适用于各种采用液压制动的轿车、载重汽车等的制动系统及工程机械的离合器系统，可满足车辆在炎热地区、山区、寒区、严寒区等气候条件下的使用要求。

Suitable for braking systems of various cars, trucks, etc. that use hydraulic brakes, as well as clutch systems of construction machinery, it can meet the usage requirements of vehicles in hot, mountainous, cold, and extremely cold weather conditions.

产品规格/PRODUCT SPECIFICATIONS:

800g*24



YIHU ELECTRIC DRIVE TRANSMISSION OIL

易护电驱变速箱油

产品简介/PRODUCT INTRODUCTION:

新能源汽车的电机在低速行驶时会产生极端高扭矩，而在高速行驶时会产生高于传统发动机两倍多的超高转速，这些极端严苛的工况使得变速箱润滑油面临巨大的性能挑战。易护电驱变速箱油系列是专门针对新能源汽车设计的变速箱油，可克服电驱变速箱系统面临的极端挑战，有效降低磨损，延长电驱变速箱寿命。

The electric motor of new energy vehicles generates extremely high torque at low speeds, while at high speeds it reduces over twice the ultra-high speed of traditional engines. These extremely harsh operating conditions pose significant performance challenges to the transmission lubricating oil. The YIHU Electric Drive Transmission Oil Series is a transmission oil specifically designed for new energy vehicles. It can overcome the extreme challenges faced by electric drive transmission systems, effectively reduce wear, and extend the life of electric drive transmissions.

性能特点/PERFORMANCE CHARACTERISTICS:

全合成变速箱油，专业的润滑保护，优异的齿轴保护性能；出色的电学性能，优异的材料兼容性；助力节省电能，增加续航里程，选择润滑油时，请参考相关车主手册。

Fully synthetic transmission oil, professional lubrication protection, excellent gear shaft protection performance; Excellent electrical performance and material compatibility; When choosing lubricants to help save energy and increase range, please refer to the relevant owner's manuals. Excellent fuel economy is suitable for harsh applications with modern and latest diesel technology.

应用范围/APPLICATION SCOPE:

本产品适用于比亚迪、广汽埃安等水冷及油冷电机的纯电与混动的车辆。

This product is suitable for pure electric and hybrid vehicles with water-cooled and oil cooled motors, such as BYD and GAC Aion.

产品规格 / PRODUCT SPECIFICATIONS:

1L*24



DEPTH MAINTENANCE GEARBOX OIL 深度养护 · 变速箱油

项目优势/PROJECT BENEFITS:

- ◆ 车辆启动状态下, 利用设备“动态循环清洗”, 旧液清除更彻底;
- ◆ 过程“全称可视”, 电脑控制, 保证用量精确;
- ◆ 改善行驶时换挡顿挫、加速缓慢、动力不足、高油耗等问题。
- ◆ Clean the old liquid completely by means of "dynamic cyclic cleaning" under the starting state of vehicle;
- ◆ Ensure accurate usage due to the "whole-process visibility" and computer control;
- ◆ Improve the gear-shifting abrupt feeling, slow acceleration, insufficient power and high oil consumption during driving.

产品展示/PRODUCT DISPLAY:

- ◆ 进口原液, 质量保证;
- ◆ 型号齐全, 严格按照国际OEM 标准生产;
- ◆ 按照车辆VIN 码锁定该车匹配的自动变速箱, 根据变速箱的油品标准匹配油品型号。
- ◆ Use imported primary oil to ensure the quality;
- ◆ With complete model and produce in strict accordance with the international OEM standard;
- ◆ Lock the matching automatic gearbox of vehicle according to the VIN code and choose the oil type according to the oil standard of gearbox.



ATF-400/500
高级合成自动排挡油



ATF-600/700A/700B/800
高级全合成自动排挡油



CVT-DX/RX
高级全合成自动排挡油



DCTF-GSX/SSX
双离合自动排挡油



MTF 全合成
手动变速箱油



PSF 高级合成
动力转向油



FULLY SYNTHETIC MOTORCYCLE LUBRICANT 全合成摩托车润滑油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 出色的抗剪切性能, 有效应对高转速下的磨损, 提供舒畅驾驶体验; 卓越的离合器摩擦特性, 动力强劲, 加速性能突出;
- ◆ 持久洁净性能, 保持引擎洁净如新; 优异的抗氧化能力, 防止漆膜、油泥及积碳的产生, 保持发动机清洁;
- ◆ 优异的低温冷启动保护性能, 降低冷启动磨损, 延长发动机寿命。
- ◆ Excellent shear resistance, effectively dealing with wear and tear at high speeds, providing a comfortable driving experience; Excellent clutch friction characteristics, strong power, outstanding acceleration performance;
- ◆ Long lasting cleanliness performance, keeping the engine clean as new; Excellent antioxidant capacity, preventing the formation of paint film, sludge, and carbon deposits, and maintaining engine cleanliness;
- ◆ Excellent low-temperature cold start protection performance, reducing cold start wear and extending engine life.

应用范围/APPLICATION SCOPE:

适用于各种进口、国产中小排量四冲程摩托车, 如雅马哈、宝马、力帆、大洲本田等。
Suitable for various imported and domestic small and medium-sized four stroke motorcycles, such as Yamaha, BMW, Lifan, Dazhou Honda, etc.

符合的标准认证/CERTIFICATION:

SAE10W-40 API SL JASO T903:2023 MA2

产品规格/SPECIFICATIONS: 1L



APISF JAPANESE SPECIFIC MOTORCYCLE OIL 日系专用摩托车油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 出色的润滑性能, 优异的齿轮啮合和离合功能, 有效减少磨损;
- ◆ 良好的抗磨性能和抗剪切性能, 延长发动机寿命;
- ◆ 良好的清净分散性, 减少油泥及积碳产生, 保持发动机清洁。
- ◆ Excellent lubrication performance, excellent gear meshing and clutch function, effectively reducing wear and tear;
- ◆ Good anti-wear and shear resistance, extending engine life;
- ◆ Good cleanliness and dispersibility, reducing the production of sludge and carbon deposits, and keeping the engine clean.

应用范围/APPLICATION SCOPE:

特别适用于日系品牌摩托车。
Especially suitable for Japanese brand motorcycles.

符合的标准认证

CERTIFICATION OF STANDARDS TO BE MET

SAE 15W-40 API SF

产品规格/SPECIFICATIONS: 1L



LONG TERM ANTIFREEZE COOLANT 长效防冻冷却液

LONG LASTING/ANTI-WEAR/CLEANING/REPAIR
长效抗磨清洁修复

Excellent corrosion and rust resistance, providing year-round protection;

Boiling point can reach 107°C, with a low-silicon formula that inhibits air turbidity and scale deposition;

Suitable for all types of vehicles, protecting the engine cylinders.



COOLANT

LONG TERM ANTIFREEZE COOLANT

长效防冻冷却液

产品特性/PRODUCT FEATURES:

易龙长效有机冷却液能在金属表面形成致密氧化保护膜，有效抑制冷却系统电化学腐蚀。包含优质的有机酸技术(OAT) 腐蚀抑制剂，不含硼、胺、亚硝酸盐等成分，更符合环保要求，全新的吸附膜机理，有效降低防腐组分消耗，使用寿命更长。采用经过38层全自动微膜反渗透净化的纯净水，以及纯度高达99.99%的涤纶级乙二醇，有效防止水垢生成。具有良好的除垢、抑垢和硅酸盐稳定性，防止凝絮生成、沉积，避免管路堵塞，同时具有良好的抗泡、防沸性能，让冷却系统保持较高的散热效率。

EILONG The long acting organic coolant can form a dense oxidation protective film on the metal surface and effectively inhibit the electrochemical corrosion of the cooling system. It contains high quality organic acid technology (OAT corrosion inhibitor, without boron, amine, nitrite and other components, more in line with environmental protection requirements, a new adsorption membrane mechanism, effectively reduce the consumption of anti-corrosion components, Longer service life. Adopts 38 layers of automatic micro membrane reverse osmosis purified water, and the purity of up to 99.99% polyester grade glycol, effectively prevent the formation of scale. With good scale removal, scale inhibition and silicate stability, prevent flocculation generation, deposition, avoid pipeline blockage, at the same time has a good anti-foam, anti-boiling performance, so that the cooling system to maintain a high heat dissipation efficiency.

推荐用于/RECOMMENDED FOR:

- ◆ 可用于所有高档轿车、重卡、轻卡及工程机械等发动机冷却系统。
- ◆ 易龙长效有机冷却液具有防冻、防沸、防腐等功能，适用于空气能系统，可用于工业锅炉、家用锅炉、中央空调设备、太阳能、地暖管道、冷库设备等。
- ◆ Can be used for engine cooling systems in all high-end cars, heavy trucks, light trucks, and construction machinery.
- ◆ EILONG long-lasting organic coolant has functions such as anti freezing, anti boiling, and anti-corrosion, and is suitable for air energy systems. It can be used for industrial boilers, household boilers, central air conditioning equipment, solar energy, underfloor heating pipelines, cold storage equipment, etc.

符合的标准认证/CERTIFICATION OF STANDARDS TO BE MET: ASTM D 3306; ASTM D 6210; JIS K 2234

执行标准/EXECUTIVE STANDARD: GB 29743.1-2022

产品规格 /SPECIFICATIONS: 1.5KG、4KG、6KG、9KG、18KG、200KG

粘度级别/VISCOSITY LEVEL: -25°C、-35°C、-40°C、-45°C



EILONG METAL CUTTING FLUID

易龙金属切削液

引进德国WASCUT 先进技术依托院士工作站 专注更优润滑冷却解决方案，助力客户提效降本

INTRODUCE ADVANCED TECHNOLOGY FROM GERMAN WASCUT
RELYING ON THE ACADEMICIAN WORKSTATION

Focus on better lubrication and cooling solutions to help customers improve efficiency and reduce costs

易龙植物基切削液，以植物油为基础，显示出了比矿物油基和合成的切削液更加优越的性能；

环境友好型产品，彻底解决难降解和发臭问题；

防止染色，超强防氧化，产品不变色，无腐蚀，达到高品质、高质量的产品要求；

植物基油配方，皮肤无伤害，工人皮肤不在过敏；

ELLONG plant-based cutting fluid, based on vegetable oil, shows superior performance than mineral oil-based and synthetic cutting fluids;

Environmentally friendly products, completely solve the problem of difficult degradation and odor;

Prevent dyeing, super anti-oxidation, the product does not change color, no corrosion, to meet the requirements of high-quality and high-quality products;

Plant-based oil formula, no skin damage, no skin allergies on workers;



保护，就在您身边

ISO 9001:2015 YSINOPEC



工程师建议/Engineer's suggestion

适用于/APPLICABLE TO: C800NC80D/C700/S80/A600/G700

- ◆ 机床应有完备的过滤、除渣系统，及时清除金属屑、浮油等杂质，若机床多日不开动，应定期对箱液进行空循环和充氧，定期对加工液的浓度、pH 值、防锈性能、微生物含量等指标进行检测，适时补充或更换新液。
- ◆ 集中供液中央冷却系统，应制定详细操作规程，专人负责维护、运行和管理。
- ◆ 禁止与其他品牌切削液混用。
- ◆ The machine tool should have a complete filtration and slag removal system to promptly remove impurities such as metal shavings and floating oil. If the machine tool does not operate for many days, the tank fluid should be regularly circulated and oxygenated. The concentration, pH value, rust prevention performance, microbial content and other indicators of the machining fluid should be tested regularly and new fluid should be replenished or replaced in a timely manner.
- ◆ A detailed operating procedure should be developed for the centralized liquid supply and central cooling system, and a dedicated person should be responsible for maintenance, operation, and management.
- ◆ Do not mix with other brands of cutting fluids.



储运/包装/Storage and packaging

适用于/APPLICABLE TO:

C800A/C80/C70/S80/A60/G700

- ◆ 切削液应贮存于干燥、阴凉通风库房内，贮运中应避免日晒、雨淋。贮存温度5~35℃。
- ◆ 正常贮存情况下，切削液产品保质期均为2年。
- ◆ 常规包装规格：20kg;200kg。包装规格可定制。
- ◆ Cutting fluid should be stored in a dry, cool and ventilated warehouse, and should be protected from direct sunlight and rain during storage and transportation. Storage temperature is 5-35℃.
- ◆ Under normal storage conditions, the shelf life of cutting fluid products is 2 years.
- ◆ Standard packaging specifications: 20kg; 200kg. The packaging specifications can be customized.



C800A ADVANCED MICROEMULSIFIED CUTTING FLUID 高级微乳化切削液

产品简介 / PRODUCT INTRODUCTION:

本产品由防锈剂、表面活性剂、合成酯、杀菌剂等复配而成。具有优异的防锈性和润滑性。采用国际领先的植物基合成酯技术取代传统的矿物油，具有更好的生物降解性。本品有优良的抗硬水和消泡性能，不含亚硝酸钠、氯酚等有害物质，属于环境友好型产品。本品很好的满足了铸铁、碳钢等黑色金属的磨削、切削的加工要求。

This product is composed of a combination of rust inhibitors, surfactants, synthetic esters, fungicides, and other additives. Has excellent rust resistance and lubricity. Adopting internationally leading plant-based synthetic ester technology to replace traditional mineral oil has better biodegradability. This product has excellent resistance to hard water and defoaming properties, and does not contain harmful substances such as sodium nitrite and chlorophenol, making it an environmental friendly product. This product effectively meets the machining requirements for grinding and cutting black metals such as cast iron and carbon steel.



使用方法/USAGE:

- ◆ 按本品：水=1:20兑水稀释使用，浓度相对越高，功能相对越强。
- ◆ 建议使用去离子水或者自来水，可有效解决工件生锈问题并能延长使用周期。
- ◆ 建议用户采用集中兑液方式，浓度管理越精准，出问题的机率越小。
- ◆ Dilute the product with water at a ratio of 1:20. The higher the concentration, the stronger the function.
- ◆ It is recommended to use deionized water or tap water, which can effectively solve the problem of workpiece rust and extend the service life.
- ◆ It is recommended that users adopt a centralized mixing method. The more precise the concentration management, the lower the probability of problems.

适用范围 / SCOPE OF APPLICATION:

- ◆ 加工工艺：车、磨、铣、钻、镗、绞、攻丝等；
- ◆ 加工材料：铸铁、碳钢、合金钢 ...
- ◆ Processing technology: turning, grinding, milling, drilling, boring, reaming, tapping, etc;
- ◆ Processing materials: cast iron, carbon steel, alloy steel

检测报告/INSPECTION REPORT:

	项目Project	质量指标Quality Index	实测Actual Measurement	实验方法Experimental method
浓缩液 concentrate	外观Appearance	均匀透明液体/Uniform transparent liquid		合格/Qualified
	储存安定性Stability nstorage	无分层、出物，试金后应能恢复原状/oueing peitin toubeactresme snjnasteatea tetest		合格 /ualified
稀释液5% Dilution solution5%	外观Appearance	透明至半透明/Transparent to semi transparent	合格/ualified	GB/T6144-2010.5.2
	pH	8-10	9.4	GB/T6144-2010.5.3
	消泡性Defoamer properties (mL/10min)	<2	0-1	GB/T6144-2010.5.4
	表面张力Surface tension/(10-5N/cm)	<40	36	GB/T6144-2010.5.5
	防锈性 单片Single-chip	A级/A-level	A级/A-level	GB/T6144-2010.5.7
	Rust resistarce: 铸铁屑Cast iron chips	1级/Level1	0级/Level 0	JB/T9189-2016
	润滑性PB Lubricating PB	>200	396	GB/T3142
	亚硝酸钠含量Sodium nitrite content	无/None	无/None	试纸/test stip

MICRO-EMULSION CUTTING FLUID

C800

通用微乳化切削液



产品简介/PRODUCT INTRODUCTION:

半合成黑色金属防锈切削液主要由高档原辅材料精制互配而成，主要应用于黑色金属加工，具有润滑、防锈、清洗、冷却等功能，本品具有润滑性能佳，防锈效果好的特性。

Semi synthetic black metal anti rust cutting fluid is mainly refined and mixed with high-end raw and auxiliary materials. It is mainly used in black metal processing and has functions such as lubrication, anti rust, cleaning, and cooling. This product has excellent lubrication performance and anti rust effect.

产品特性/PRODUCT FEATURES:

润滑性: 本产品中含有一定量的基础油及油溶性添加剂，能够在被加工金属表面形成稳定的润滑膜，阻止切削加工时刀具和工件间的直接接触，减少加工区域的摩擦，降低摩擦力及磨削热量，改善工件表面质量，延长刀具使用寿命，提升加工效率。

Lubrication: This product contains a certain amount of base oil and oil soluble additives, which can form a stable lubricating film on the surface of the processed metal, prevent direct contact between the cutting tool and the workpiece during cutting, reduce friction in the processing area, lower friction and grinding heat, improve the surface quality of the workpiece, extend the service life of the cutting tool, and enhance processing efficiency.

清洗性: 本产品基础油含量低，不易在工件及机床表面产生吸附，可保持加工环境及工件的清洁。此外，排屑性能好，可有效避免因切屑在加工区域堆积而引起的黏刀、划伤已加工工件表面等现象。

Cleanliness: This product has a low base oil content and is not easily adsorbed on the surface of workpieces and machine tools, which can maintain the cleanliness of the processing environment and workpieces. In addition, the chip removal performance is good, which can effectively avoid phenomena such as sticking to the tool and scratching the surface of the processed workpiece caused by the accumulation of chips in the processing area.



可视性: 本产品的稀释液为半透明的微乳状，便于观察切削过程中刀具与工件的状态，有利于掌控、了解整个加工过程。

Visibility: The diluent of this product is a semi transparent microemulsion, which facilitates observation of the state of the cutting tool and workpiece during the cutting process, and is beneficial for controlling and understanding the entire machining process.

抑菌性: 本产品中基础油及有机添加剂含量低，不利于微生物的繁殖，具有较好的抑菌性，使用时间更长。

Antibacterial properties: This product has a low content of base oil and organic additives, which is not conducive to the reproduction of microorganisms. It has good antibacterial properties and can be used for a longer period of time.

防锈性: 由于本产品中含有少量基础油，匹配了一些高性能油溶性防锈剂，可有效保护机床与加工工件不发生锈蚀，也延长了工件的工序间防锈周期。

Rust prevention: Due to the presence of a small amount of base oil in this product, it is matched with some high-performance oil soluble rust inhibitors, which can effectively protect the machine tool and the processed workpiece from rusting, and also extend the rust prevention cycle between processes of the workpiece.

推荐浓缩混合比例/RECOMMENDED CONCENTRATION:

- ◆ 磨削推荐比例: 4~6% ◆ 中等负荷加工推荐比例: 6~12%
- ◆ 切削推荐比例: 5~10% ◆ 可根据加工工件的材质、加工要求等调整使用浓度
- ◆ Recommended grinding ratio: 4-6% ◆ Recommended cutting ratio: 5-10%
- ◆ Recommended ratio for medium load machining: 6-12%
- ◆ The concentration can be adjusted according to the material and processing requirements of the workpiece to be processed

适用范围/SCOPE OF APPLICATION:

- ◆ 铸铁、碳钢、合金钢; ◆ 黑色金属的车、铣、镗、钻;
- ◆ 中等负荷加工; ◆ 用于单机或集中供液加工系统。
- Cast iron, carbon steel alloy steel; ◆ Turning, milling, boring, and drilling of black metal; ◆ Medium load processing;
- ◆ Used for single machine or centralized liquid supply processing systems.

检测报告/INSPECTION REPORT:

项目Project(稀释液Diluent)	质量指标Quality Index	实验方法Experimental method
透明度Transparency	均匀半透明/Uniform semi transparent	目测visual estimation
PH[25℃](8.0-10.0)	9.4	PH精密试纸/PH precision test paper
消泡性Defoamerity[L/L10min]不大于2 not exceeding 2	无泡/No bubbles	GB/T6144
表面张力Surface tension/ γ m/m不大于40 not exceeding 40	32	GB/T6144
腐蚀试验Corrosion test (55℃ ± 2℃/h)		
HT300灰铸铁Gray cast iron, 24h	合格/Qualified	GB/T6144
T2纯铜Pure copper, 8h	合格/Qualified	GB/T6144
2A12铝Aluminum, 8h	合格/Qualified	GB/T6144
防锈性试验Rust prevention test (35℃ ± 2℃)		
一级灰口铸铁单片Grade 1 gray cast iron single piece, 24h	合格/Qualified	GB/T6144
一级灰口铸铁叠片First grade gray cast iron laminations, 8h	合格/Qualified	GB/T6144
安定性Stability (15℃-35℃)		
油Oil	无/None	
皂Soap	无/None	
食盐允许量Allowable amount of salt	无相分离/No phase separation	
对机床油漆的适应性Adaptability to machine to paint	允许轻微失光和变色，但不允许油漆气泡、开裂和脱落。Slight gloss and color change are allowed, but paint bubbles, cracking and peeling are not allowed.	



C700 UNIVERSALFULLY SYNTHETIC CUTTING FLUID 通用全合成切削液

产品简介/PRODUCT INTRODUCTION:

本产品是一款高质量、高性价比且不含矿物油的全合成产品，具有卓越的冷却、抗菌、防锈、润滑功能，在不降低技术指数的同时，能最大程度保护皮肤。因为产品外观和水接近，所以在加工过程中可以清楚观察工件作业情况。

This product is a high-quality, cost-effective fully synthetic product that does not contain mineral oil. It has excellent cooling, antibacterial, rust proof, and lubrication functions, and can protect the skin to the maximum extent without reducing the technical index. Because the appearance of the product is similar to water, the workpiece operation can be clearly observed during the processing.

使用方法/USAGE:

- ◆ 按本品：水=1:20兑水稀释使用，浓度相对越高，功能相对越强。
- ◆ 建议使用去离子水或者自来水，可有效解决工件生锈问题并能延长使用周期。
- ◆ 建议用户采用集中兑液方式，浓度管理越精准，出问题的机率越小。
- ◆ Dilute the product with water at a ratio of 1:20. The higher the concentration, the stronger the function.
- ◆ It is recommended to use deionized water or tap water, which can effectively solve the problem of workpiece rust and extend its service life.
- ◆ It is recommended that users adopt a centralized mixing method. The more precise the concentration management, the lower the probability of problems.



适用范围/SCOPE OF APPLICATION:

- ◆ 主要用于镗孔、钻削、磨削加工；
- ◆ 在碳钢、合金钢、不锈钢的加工中取得良好效果。
- ◆ Mainly used for boring, drilling, and grinding processes;

Good results have been achieved in the processing of carbon steel, alloy steel, and stainless steel.

检测报告/INSPECTION REPORT:

项目Project		质量指标Quality Index(L-MAG)		质量指标Quality Index(L-MAH)		实验方法Experimental method
浓缩液 concentrate	外观appearance	液态：无分层、无沉淀、呈均匀液体；膏状：无异物析出，呈均状；固体粉剂：无硬块结块物，易溶于水的均匀粉剂 Liquid state: No layering, no precipitation, uniform liquid; Paste: no impurities析出, uniform paste like appearance; Solid powder: no hard lumps析出, easy to dissolve in water				目测visual estimation
	储存安定性stability in storage	无分层、相变及凝胶等，试验后能恢复原状No layering, phase change, or gel, and can recover after test		aiming to meet the standard of GB/T6144-2010.5.1		
	透明度transparency	透明或半透明Transparent or semi-transparent				GB/T6144-2010.5.2
	pH	8.0~		10.0		GB/T6144-2010.5.3
	消泡性Defoamery (mL/10min) 不大于not exceeding	N				GB/T6144-2010.5.4
	表面张力Surface tension/m/m 不大于not exceeding	4		0		GB/T6144-2010.5.5
稀释液5% Dilution solution5%	一级衣口龄，A级不小于1级1st grade, A grade not less than 1st grade	24		24		GB/T6144-2010.5.6
	腐蚀试验Corrosion Test 紫铜,B级不小于2级Purple copper,B grade not less than 2nd grade; 55℃±2℃/h; LY12铝,B级不小于1级Aluminum,B-grade not less than 1st grade	4		4		
		4		4		
	防锈性试验Rist resistance test 单片/24h Single piece/24h	合格/Qualified		合格/Qualified		GB/T6144-2010.5.7
	[35℃±2℃] 叠片/4h Stacking/4h	合格/Qualified		合格/Qualified		
	最大无卡胶负荷PB值N不小于The maximum non-caking load PB value/N not less than	586		586		
	对机床油漆的适应性Adaptability to machine tool paint	允许轻微失光和变色，但不允许油漆起泡、开裂和脱落Allow slight loss of gloss and color change, but no oil paint bubbling, cracking, and peeling				GB/T 6144-2010
	NO ₂ 浓度检测NO ₂ concentration detection	报告		Report		试纸test strip

S800 STAINLESS STEEL PROFESSIONAL CUTTING FLUID 不锈钢专业切削液

适用范围/SCOPE OF APPLICATION:

- ◆ 适用加工工艺: 车削加工、铣削加工、磨削加工、攻丝和螺纹加工、不锈钢材质类型
- ◆ 适用加工材质: 奥氏体不锈钢、铁素体不锈钢、马氏体不锈钢、双相不锈钢
- ◆ Applicable processing techniques: turning, milling, grinding, tapping and threading, stainless steel material types
- ◆ Applicable processing materials: austenitic stainless steel, ferritic stainless steel, martensitic stainless steel, duplex stainless steel

使用方法/USAGE:

- ◆ **一般加工稀释比例:** 对于常规的车削、铣削、钻孔等加工工艺, 建议将不锈钢金属加工液与水按照 1:10-1:20 的比例进行稀释。
- ◆ **重负荷加工稀释比例:** 在进行重负荷加工, 如深孔钻削、强力铣削等时, 为确保加工液能提供足够的润滑和冷却性能, 建议将稀释比例调整为 1:5-1:10。
- ◆ **General processing dilution ratio:** for conventional machining processes such as turning, milling, drilling, etc., it is recommended to dilute stainless steel metalworking fluid with water in a ratio of 1:10-1:20.
- ◆ **Dilution ratio for heavy load machining:** When performing heavy load machining, such as deep hole drilling, strong milling, etc., to ensure that the machining fluid can provide sufficient lubrication and cooling performance, it is recommended to adjust the dilution ratio to 1:5-1:10.

产品特性/PRODUCT FEATURES:

-  **卓越的润滑性能:** 不锈钢金属加工液含有特殊的润滑添加剂, 能在刀具与工件表面形成一层牢固的润滑膜, 有效降低切削过程中的摩擦系数。
Excellent lubrication performance: Stainless steel metalworking fluid contains special lubricating additives that can form a strong lubricating film on the surface of the tool and workpiece, effectively reducing the friction coefficient during cutting.
-  **出色的冷却效果:** 具备良好的热传导性能, 能迅速吸收并带走切削过程中产生的大量热量。
Excellent cooling effect: It has good thermal conductivity and can quickly absorb and take away a large amount of heat generated during the cutting process.
-  **良好的防锈性能:** 即使在潮湿、多尘等恶劣环境下, 也能确保工件在加工和储存过程中不生锈, 维持表面光洁度和金属性能。
Good rust prevention performance: Even in harsh environments such as humidity and dust, it can ensure that the workpiece does not rust during processing and storage, maintaining surface smoothness and metal properties.
-  **优秀的清洗能力:** 能够快速将加工过程中产生的切屑、磨屑以及油污等杂质从工件和刀具表面清洗掉, 防止这些杂质在加工区域堆积, 影响加工精度和表面质量。
Excellent cleaning ability: able to quickly remove impurities such as chips, abrasives, and oil stains generated during the machining process from the surface of the workpiece and tool, preventing these impurities from accumulating in the machining area and affecting machining accuracy and surface quality.
-  **长寿命与稳定性:** 采用先进的配方和优质原材料, 具有出色的化学稳定性和抗微生物分解能力。
Long lifespan and stability: Using advanced formulas and high-quality raw materials, it has excellent chemical stability and resistance to microbial decomposition.
-  **环保与低气味:** 注重环保性能, 符合相关环保标准。不含有害的重金属、磷、氯等物质, 减少环境污染和对操作人员健康的危害。
Environmental Protection and Low Odor: Emphasize environmental performance and comply with relevant environmental standards. Does not contain harmful heavy metals, phosphorus, chlorine and other substances, reducing environmental pollution and harm to the health of operators.

A600 ALUMINUM ALLOY SPECIAL CUTTING FLUID 铝合金专用切削液

产品简介/PRODUCT INTRODUCTION:

本产品由高效润滑剂、铝合金缓蚀剂、极压添加剂、表面活性剂及环保杀菌剂复配而成, 专为铝合金的高效切削、铣削、钻孔等加工工艺设计。采用低泡型复合配方, 具备优异的润滑性、冷却性和抗腐蚀性能, 同时满足现代加工中心对清洁性和长寿命的需求。

This product is composed of high-efficiency lubricants, aluminum alloy corrosion inhibitors, extreme pressure additives, surfactants, and environmentally friendly biocides, designed specifically for efficient cutting, milling, drilling, and other processing techniques of aluminum alloys. Adopting a low foaming compound formula, it has excellent lubrication, cooling, and corrosion resistance, while meeting the modern machining center's requirements for cleanliness and long service life.

适用范围 / SCOPE OF APPLICATION:

铝合金加工类型: 适用于各种铝合金的车削、铣削、钻孔、镗削、攻丝、拉削等切削加工工艺。无论是普通铝合金, 还是航空航天领域使用的高强度铝合金, 都能发挥良好的作用。
Aluminum alloy processing types: suitable for cutting processes such as turning, milling, drilling, boring, tapping and pulling of various aluminum alloys. Both ordinary aluminum alloys and high-strength aluminum alloys used in the aerospace industry can play a good role.

使用方法/USAGE:

- ◆ 按本品: 水=1:20兑水稀释使用, 浓度相对越高, 功能相对越强。
- ◆ 建议使用去离子水或者自来水, 可有效解决工件生锈问题并能延长使用周期。
- ◆ 建议用户采用集中兑液方式, 浓度管理越精准, 出现问题的概率就越小。
- ◆ Dilute the product with water at ratio of 1:20. The higher the concentration, the stronger the function.
- ◆ It is recommended to use deionized water or tap water, which can effectively solve the problem of workpiece rust and extend the service life.
- ◆ It is recommended that users adopt a centralized mixing method. The more precise the concentration management, the lower the probability of problems occurring.

检测报告/INSPECTION REPORT:

项目 Project	质量指标 Quality Index
pH值 (5% 稀释液) pH value (5% dilution solution)	8.0-9.5
铝合金防锈 (48h) Aluminum alloy rust prevention	无腐蚀斑点 No corrosion spots
润滑性 (摩擦系数) Lubrication (friction coefficient)	≤ 0.12
泡沫性 (m/10min) Foam property	≤ 30ml
COD (mg/L)	≤ 4000

G700 FULLY SYNTHETIC GRINDING FLUID

全合成磨削液

产品简介/PRODUCT INTRODUCTION:

本产品是高质量、高性价比且不含矿物油的全合成产品，在不降低技术指数的同时，能最大程度保护皮肤。因为产品外观和水接近，非常适用在磨削过程中同时观察工件作业情况。

This product is a high-quality, cost-effective fully synthetic product that does not contain mineral oil. It can protect the skin to the maximum extent without reducing the technical index. Because the appearance of the product is similar to water, it is very suitable for observing the operation of the workpiece during the grinding process.



产品特性/PRODUCT FEATURES:

安全：不含易亚硝化的二级胺、封顶二级胺。也不含氯化物和氟化碳氢化合物，硅化合物，硼和亚硝酸盐。

Safety: Does not contain secondary amines that are prone to nitrosation or capped secondary amines. It also does not contain chlorinated and fluorinated hydrocarbons, silicon compounds, boron, and nitrite.

工具清洁度：如存在可流动且无晶体的残留物，这类残留物易被分解。使工件和机床保持洁净，测量仪器不会出现粘连情况。

Tool cleanliness: If there are flowable and non-crystalline residues, these residues are easily decomposed. Keep the workpiece and machine clean, and prevent the measuring instrument from sticking.

中性气味：不会产生任何影响工作的气味。
Neutral odor: does not produce any odor that affects work.

防腐：为机床和工件提供可靠的腐蚀保护。腐蚀保护通常足以让工件暂时存放数周。

Corrosion protection: providing reliable corrosion protection for machine tools and workpieces. Corrosion protection is usually sufficient to temporarily store workpieces for several weeks.

乳化剂使用寿命：平衡的配方确保了在适当的护理下，冷却润滑油的使用寿命能得到很大提升。

Emulsifier service life: The balanced formula ensures that with proper care, the service life of cooling lubricants can be greatly improved.

可生物分解：排入大自然后，它很容易通过雨水稀释实现生物降解而不留痕迹。G700 水害等级为1级。

Biodegradable: After being discharged into nature, it can be easily biodegraded by diluting with rainwater without leaving any trace. The G700 water hazard level is level 1.

经济性能：当您使用G700时，可以实现特别高的成本效益。
Economic performance: When you use the G700, you can achieve particularly high cost-effectiveness.

少泡沫：具有非常好的发泡性能，能有效防止因发泡而造成机器停止工作。

Less foam: with very good foaming performance, it can effectively prevent the machine from stopping due to foaming.

推荐浓缩混合比例/RECOMMENDED CONCENTRATION:

- ◆ 磨削推荐比例：3~6%
- ◆ 轻度车削、钻、铣切、锯，推荐比例：3~6%
- ◆ Recommended grinding ratio: 3-6%
- ◆ Mild turning, drilling, milling, sawing, recommended ratio: 3-6%

适用范围 / SCOPE OF APPLICATION:

- ◆ 铝合金
- ◆ 钢、高合金钢、易切削钢、灰铸铁
- ◆ 铬和镍合金(避免乳剂中溶解的镍!)
- ◆ Aluminum alloy
- ◆ Steel, high alloy steel, easy cutting steel, gray cast iron
- ◆ Chromium and nickel alloys (avoid nickel dissolved in emulsions!)

检测报告/INSPECTION REPORT:

项目Project(稀释液Diluent)	质量指标Quality Index	实验方法Experimental method
透明度Transparency	透明或半透明Transparent or semi-transparent	目测Visual estimation
PH[25℃](8.0-10.0)	9.5	PH精密试纸PH precision test paper
消泡性Defoamability (mL/10min)不大于2 not exceeding 2	无泡No bubbles	GB/T6144
表面张力Surface tension(mN/m)不大于40 not exceeding 40	32	GB/T6144
腐蚀试验Corrosion test (55℃ ± 2℃/h)		
一级灰铸铁，不小于A级124h Grade I gray cast iron, not less than Grade A 124h	A级A-level	GB/T6144
紫铜，不小于B级/8h Purple copper, not less than Grade B/8h	B级Grade B	GB/T6144
LY12铝，不小于B级/8h LY12 aluminum, not less than Grade B/8h	B级Grade B	GB/T6144
防锈性试验Rust prevention test(35℃ ± 2℃)		
单片，24h Single piece, 24h	合格Qualified	GB/T6144
叠片，4h Stacking, 4h	合格Qualified	GB/T6144
最大无卡咬负荷PB值(N)不小于200 The maximum non-card bite load PB value(N) is not less than 200	260	GB/T 3142
对机床油漆的适应性Adaptability to machine tool paint 允许轻微失光和变色，但不允许油漆气泡、开裂和脱落Subsidiary color loss and color change, but no paint bubbles, cracking and peeling		

RUST PROOF CLEANING AGENT

防锈清洗剂



RPC600 RUSTPROOF CLEANING AGENT 防锈清洗剂

产品简介/PRODUCT INTRODUCTION:

本产品是多功能防锈清洗剂，可用于黑色金属、有色金属及稀有金属制品的混合漂洗。针对机械加工过程中经常出现产品生锈、有色金属腐蚀等现象而研制的一种新型防锈清洗产品。

This product is a multifunctional rust proof cleaning agent that can be used for mixed rinsing of black metal, non-ferrous metal, and rare metal products. A new type of rust proof cleaning product has been developed to address the frequent occurrence of product rusting and corrosion of non-ferrous metals during the mechanical machining process.



使用方法/USAGE:

- ◆ 用自来水或纯水按5-8%比例进行稀释，采用超声波或喷淋等方式使用；
- ◆ 可以按相应比例浓度添加到其他金属加工液中增强防锈效果。
- ◆ Dilute with tap water or pure water at a ratio of 5-8%, and use ultrasonic or spray methods;
- ◆ It can be added to other metalworking fluids in the corresponding proportion and concentration to enhance the rust prevention effect.

贮存/包装/STORAGE AND TRANSPORTATION/PACKAGING:

- ◆ 本产品需在干燥、阴凉通风处贮存，运输过程中应避免日晒、雨淋。
- ◆ 正常贮存情况下，产品保质期为2年。
- ◆ 规格/ Specification: 20kg; 200kg
- ◆ This product should be stored in a dry, cool, and well ventilated place. During transportation, it should be protected from direct sunlight and rain.
- ◆ Under normal storage conditions, the product has a shelf life of 2 years.

检测报告/INSPECTION REPORT:

项目Project	质量指标Quality Index
外观Appearance	棕黄色液体Brown yellow liquid
PH值PHvalue	10-12
腐蚀试验(55 ± 2℃.4H), 铁片Corrosion test[55 ± 2℃.4h.iron sheet	合格Qualified
防锈试验(35 ± 2℃.4H), 铁片Rust prevent on test [35 ± 2℃.4h].iron sheet	合格Qualified
消泡性Defoaming property [30 ± 2℃].mm/10min	≤2

HYDRAULIC SUPPORT OIL

液压支架用油



液压支架用浓缩液系列

Concentrated liquid series for hydraulic supports

HFAS10-5 HFAS15-3 HFAS15-5 HFAS15-5(G)

HFAS20-5 HFAS25-5 HFAS30-5

产品简介/PRODUCT INTRODUCTION:

本品属新型环保高清洁产品，不含基础油，属于单一相稳定体系。是传统乳化油的更新替代产品，专门针对过滤精度要求更高的电液控制系统研制而成。本产品由复合润滑剂、极压剂、防锈剂、络合剂、乳化剂、防腐剂及抑泡剂等组成。

This product is a new type of environmental friendly high-definition cleaning product, which does not contain base oil and belongs to a single-phase stable system. It is an updated substitute product for traditional emulsified oil, specifically developed for electro-hydraulic control systems with higher filtration accuracy requirements. This product is composed of composite lubricants, extreme pressure agents, rust inhibitors, complexing agents, emulsifiers, anti-corrosion agents, and foam suppressants.



产品特性/PRODUCT FEATURES:

由于体系中的添加剂互相增溶，形成热力学稳定体系，稳定性更好，并采用高效防锈、防腐剂，本产品综合性能比传统乳化油具有更优越的特点，完全满足电液控制系统及各种液压支架(柱)的要求。减少维修拆装清洗过滤器和阀件的工作量，明显减少维修工作量和维修费用，节约材料消耗，提高生产效率，经济效益非常显著。另外浓缩液没有刺激性异味，提供更有利于矿工健康的工作环境。同时对周围地下水资源无污染，属于环保产品，其使用和推广顺应环境保护的要求。

Due to the mutual solubilization of additives in the system, a thermodynamically stable system is formed with better stability and fewer rust and corrosion inhibitors are used. This product has superior comprehensive performance compared to traditional emulsified oil, fully meeting the requirements of electro-hydraulic control systems and various hydraulic supports (columns). Reducing the workload of disassembly, cleaning filters and valves significantly reduces maintenance workload and costs, saves material consumption, improves production efficiency, and has significant economic benefits. In addition, the concentrated liquid has no irritating odor, providing a more favorable working environment for miners. At the same time, it does not pollute the surrounding groundwater resources and is an environmentally friendly product. Its use and promotion comply with the requirements of environmental protection.

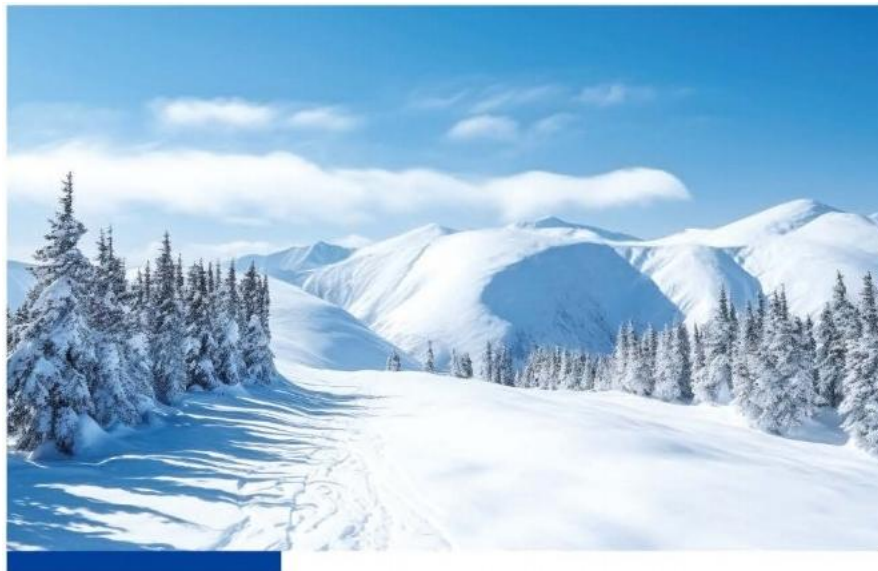
适用范围 /SCOPE OF APPLICATION:

适用于矿山电液控制系统液压支架使用与各种液压支架(柱)的使用，及大型高压水性液压机油油。

Suitable for the use of hydraulic supports in mining electro-hydraulic control systems and various hydraulic supports (columns), as well as oil for large high-pressure water-based hydraulic presses.

贮存/包装/STORAGE AND TRANSPORTATION/PACKAGING:

- ◆ 应贮存于干燥、阴凉通风库房内，贮存中应避免日晒、雨淋。贮存温度5~35℃。
- ◆ 常规包装规格：20kg;200kg。包装规格可定制。
- ◆ It should be stored in a dry, cool, and ventilated warehouse, and should be protected from direct sunlight and rain during storage and transportation. Storage temperature is 5-35℃.
- ◆ Standard packaging specifications: 20kg; 200kg. The packaging specifications can be customized.



液压支架用防冻液系列

Antifreeze series for hydraulic supports

MFD-25 MFD-30 MFD-35
MFD-40 MFD-50

产品简介/PRODUCT INTRODUCTION:

具有冰点低、沸点高、润滑好、防腐佳、长期使用无结垢的特点。在使用本品之前，须将液压支架或内燃机冷却系统彻底冲洗干净，建议不要与其他厂家产品混合使用，以免影响产品质量或产生不良现象。在使用过程中，要及时补充新液，防止防冻液短缺。

It has the characteristics of low freezing point, high boiling point, good lubrication, excellent anti-corrosion, and long-term use without scaling. Before using this product, the hydraulic support or internal combustion engine cooling system must be thoroughly cleaned. It is recommended not to mix it with products from other manufacturers to avoid affecting product quality or causing adverse phenomena. During use, it is necessary to replenish new liquid in a timely manner to prevent a shortage of antifreeze.



适用范围 / SCOPE OF APPLICATION

该产品对铸铁、铜、钢、铝等黑色金属与有色金属都具有极好的防锈防腐保护作用，能很好地适用于液压支架等系统与机动车辆水循环系统，长期使用不变质，能很好的适用于室外寒冷工况矿山液态支架系统及工业水性液压润滑循环系统，对液压润滑循环系统及其附件有很好的保护作用。

This product provides excellent rust and corrosion protection for both ferrous metal such as cast iron and steel and non-ferrous metals such as copper and aluminum. It is suited for hydraulic support systems, motor vehicle water circulation systems as well as for mining hydraulic support systems operating under cold conditions and industrial water-based hydraulic lubrication systems. It maintains its performance without deterioration during long-term use and offers reliable protection for hydraulic lubrication systems and their accessories.

储运/包装/STORAGE AND TRANSPORTATION/PACKAGING:

- ◆ 应贮存于干燥、阴凉通风库房内，贮存中应避免日晒、雨淋。贮存温度5~35℃。
- ◆ 常规包装规格：20kg；200kg。包装规格可定制。
- ◆ It should be stored in a dry, cool, and ventilated warehouse, and should be protected from direct sunlight and rain during storage and transportation. Storage temperature is 5-35°C.
- ◆ Standard packaging specifications: 20kg; 200kg. The packaging specifications can be customized.



液压支架用乳化油系列

Emulsified oil series for hydraulic supports

HFAE10-5 HFAE15-5

HFAE20-5 HFAE25-5

产品简介/PRODUCT INTRODUCTION:

新型环保液压支架电液控制用乳化油，性能指标满足煤炭行业标准MT76-2011，《液压支架用乳化油、浓缩液及其高含水液压液》的标准要求，综合性能优于国内外同类产品。

产品特点： 稀释液呈微乳浅白色—浅黄色液体，超强稳定性能，超强水质适应性，无油皂析出及分离现象。

用途： 电液控制系统液压支架及各种液压支架(柱)的使用。及大型高压水性液压机用油。

The new environmental friendly hydraulic support emulsion oil for electro-hydraulic control meets the performance indicators of the coal industry standard MT76-2011, "Emulsified Oil, Concentrated Liquid and High Water Content Hydraulic Fluid for Hydraulic Support", and its comprehensive performance is superior to similar products at home and abroad.

Product features: The diluent is a light white to light yellow liquid in the form of a microemulsion, with super stable performance, super water quality adaptability, and no oil soap precipitation or separation phenomenon.

Purpose: Use of hydraulic supports and various hydraulic supports (columns) in electro-hydraulic control systems. And oil for large high-pressure water-based hydraulic presses.

产品优势 /PRODUCT ADVANTAGES:

不含硫、氯、磷、有害极压添加剂，环保无污染。乳化液粒子在0.01 微米以下，属高端乳化技术，完全解决普通传统乳化液易分层、油水易分离造成介质堵塞滤芯、过滤装置、导向阀的弊病。它具有优良的金属防锈性及防腐蚀性能，具有优良的润滑性及密封材料相容性，完全满足电液控制系统的各种要求，从而保证设备正常使用，提高生产效率。

Free from sulfur, chlorine, phosphorus, harmful extreme pressure additives environmentally friendly and pollution-free. Emulsified particles below 0.01 microns belong to high-end emulsification technology, which completely solves the problems of medium blockage, filter clogging, filtration devices and directional valves caused by the easy stratification and oil-water separation of ordinary traditional emulsion. It has excellent metal rust and corrosion resistance, excellent lubricity and compatibility with sealing materials fully meeting the various requirements of electro-hydraulic control systems, thereby ensuring the normal use of equipment and improving production efficiency.

储运/包装/STORAGE AND TRANSPORTATION/PACKAGING:

- ◆ 应贮存于干燥、阴凉通风库房内，贮运中应避免日晒、雨淋。贮存温度5~35℃。
- ◆ 常规包装规格：20kg;200kg。 包装规格可定制。
- ◆ It should be stored in a dry, cool and ventilated warehouse, and should be protected from direct sunlight and rain during storage and transportation. Storage temperature is 5-35°C. Standard packaging specifications: 20kg; 200kg. The packaging specifications can be customized.



INDUSTRIAL OIL

工业用润滑油

ROBOT SPECIFIC GREASE

机器人专用油脂

机器人润滑方案/ROBOT LUBRICATION PLAN:

减速机 Reducer	RV减速机RV gearbox	易龙RO 150机器人减速机专用油Eilong RO 150 Robot Reducer Special Oil
	谐波减速机Harmonic reducer	易龙SPI-B润滑脂Eilong SPI-B Lubricating grease
	其它类型减速机Other types of reducers	易龙SPI-W润滑脂Eilong SPI-W Lubricating grease
		易龙AP-S工业齿轮油Eilong AP-S Industrial Gear Oil
辅助机构 Auxiliary institutions	滚珠丝杠Ball screw	易龙BLM-D润滑脂Eilong BLM-D Lubricating grease
	地面导轨Ground guide rail	易龙SPI-F润滑脂Eilong SPI-F Lubricating grease
	平衡装置Balance device	易龙MEP润滑脂Eilong MEP Lubricating grease
	线圈Coil	易龙通用锂基润滑油Eilong universal lithium based grease
其他Other	AGV小车AGV car	易龙AGV专用油Eilong AGV special oil



EILONG RO 150 ROBOT REDUCER SPECIFIC OIL 机器人减速机专用油

EILONG RO 150 机器人减速机专用油采用高质量全合成基础油与优质添加剂调配而成，针对机器人关节减速机硬件情况及使用工况专项开发。

EILONG RO150 robot reducer special oil is formulated with high-quality fully synthetic base oil and premium additives, specifically developed for the hardware and operating conditions of robot joint reducers.

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 超长使用寿命，具有2年~3年或10000小时工作时间；
- ◆ 温度适应性广，可在室内外、南北方通用，满足-20℃~120℃的使用温度范围；
- ◆ 热稳定性能优良，保证在70℃甚至100℃能够正常工作；
- ◆ 极压抗磨性能好，能满足重负荷工况要求；
- ◆ 良好的抗微动磨损性能和摩擦性能，可减少设备摩擦部位磨损；
- ◆ 与密封材料的兼容性能良好，确保设备油品不发生泄漏。
- ◆ Long service life, with a working time of 2-3 years or 10000 hours;
- ◆ Wide temperature adaptability, can be used both indoors and outdoors, as well as in the north and south, meeting the temperature range of -20°C-120°C;
- ◆ Excellent thermal stability performance, ensuring normal operation at 70°C or even 100°C;
- ◆ Good extreme pressure and anti-wear performance, able to meet the requirements of heavy-duty working conditions;
- ◆ Good resistance to micro motion wear and friction performance can reduce the wear of equipment friction parts;
- ◆ Good compatibility with sealing materials ensures that the equipment oil does not leak.

技术规格/TECHNICAL SPECIFICATIONS:

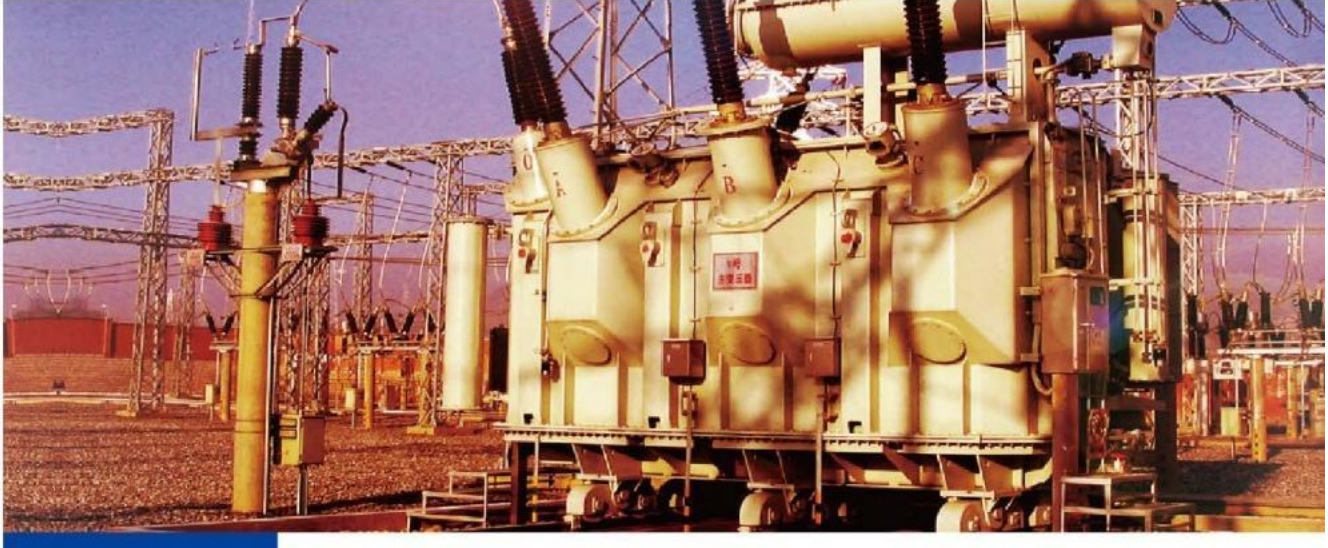
- ◆ EILONG RO150机器人减速机专用油符合GB 5903-2011和 SH/T 0467-2010的规格；
- ◆ 通过西门子 Flender 规格的 FZG 微点蚀台架试验；
- ◆ 满足摆线针轮(RV)减速机专用油产品规格。
- ◆ EILONG RO150 robot reducer special oil meets the specifications of GB 5903-2011 and SH/T 0467-2010;
- ◆ Passed the FZG micro pitting corrosion bench test of Siemens Flender specifications;
- ◆ Meet the specifications of specialized oil products for cycloidal pinwheel(RV)reducers.



EILONG 机器人润滑产品与市售竞品对比数据

Comparison data between EILONG robot lubrication products and commercially available competitors

项目Project		B-Oil	M-Oil	K-Oil	EILONG R ^o 150	测试标准Standards
运动黏度Kinematic viscosity(40 °C)mm ² /s		151.7	156.3	151.3	152.2	GB/T 265
运动黏度Kinematic viscosity[100 °C]mm ² /s		19.66	18.70	24.18	19.52	GB/T 265
黏度指数Viscosity index		149	--	192	147	GB/T1995-98
倾点Pour point °C		-49	-48	-42	-53	GB/T 3535
闪点Flash point °C		230	214	280	260	GB/T 3536
泡沫倾向/ 泡沫稳定性 Foam tendency/ Foam stability (mL/mL)	24°C	0/0	0/0	.	0/0	GE/T 12579
	93.5°C	20/0	50/D		10/0	
	后Last 24°C	0/0	0/0	-.	0/0	
铜片腐蚀Copper corrosion (10°C, 3h)级grade		1b	2b	1b	1b	GB/T 5096
四球机试验 Four ball machine test	负荷磨损指数Load wear index, N		601	524	560	GB/T 3142 SH/T 0189
	烧结负荷Sintering load Pa.N	1960	3920	2450	3090	
	磨斑直径Grinding spot diameter (1800/min, 196N, 60min)mm	0.43	0.44	0.46	0.33	
FZG试验Test	A/8.3/90级Grade	-		-	12+	SH/T 0306
	A16.6/90级Grade	--		.	12+	
抗微点蚀性能测试 Micro pitting OOrosion resistance performance test	失效等级, 级Failur level, grade				10	FVA Nr.54
	耐久试验Durability test	.	--	.	高级Senior	
SRV4(300N, 30°C~150°C, 50Hz)	平均摩擦系数Average coefficient of friction	0.088	0.107	0.109	0.085	--
	磨斑直径Grinding spot diameter	0.59	0.52	0.59	0.57	



TRANSFORMER SPECIFIC LUBRICATING OIL 变压器用润滑油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 具有优异的电气绝缘性能，击穿电压高、介质损耗因数小，有效防止高压电场下的放电现象和功率损失；
- ◆ 抗析气性能好，有效防止气隙放电，保证安全运行；
- ◆ 溶解油泥性强，保证溶解电气设备运行过程中形成的油泥，避免破坏绝缘材料和影响传热，使变压器运行时间延长；
- ◆ 较低的黏度，提供有效的冷却性和热传递性及低温启动性；
- ◆ 对变压器不产生硫腐蚀；
- ◆ 环境友好，不含任何多氯联苯。
- ◆ Excellent electrical insulating property, high breakdown voltage, small dielectric loss factor and able to prevent electric discharge and power loss **under high-voltage electric field effectively**;
- ◆ Good gas resistances, able to prevent air gap discharge effectively and ensure safety operation;
- ◆ Strong grease dissolution, **generate grease during dissolution electrical equipment operation**, prevent insulating material damage and heat transfer influence and prolong the operation time of transformer;
- ◆ Low viscosity, **provide effective cooling** performance, heat transfer and low-temperature start;
- ◆ Prevent sulfur attack on the transformer;
- ◆ **Environment-friendly and do not contain any polychlorinated biphenyl.**

产品优势/PRODUCT ADVANTAGE:

- ◆ 优异的电绝缘性，有效防止电场下放电现象产生；
- ◆ 良好的抗氧化安定性，有效防止酸性物质及油泥的产生；
- ◆ 良好的热传导性，确保变压器铁芯和线圈得到有效冷却。
- ◆ Excellent electrical insulating property and able to prevent electric discharge under electric field effectively;
- ◆ Good antioxidation stability and able to prevent acid substances and grease;
- ◆ Good heat conductivity and ensure effective cooling of transformer iron core and coil.



应用范围/APPLICATION SCOPE:

- ◆ 可广泛用于城市区域或建筑物内的变压器，也适用于具有较高运行温度或更高电压等级或为延长运行时间而设计的变压器、开关以及类似电气设备中作为绝缘和传热介质使用。
- ◆ 适用于500KV的变压器和有类似要求的电器设备中。
- ◆ Be widely applied to the transformers in urban area or **buildings or the transformer**, switch and similar electrical equipment with higher operating temperature or voltage class or designed for long-term operation as the insulation and heat-transfer medium.
- ◆ **Be applicable to 500kV transformer and similar electrical equipment.**



YLC-320WT SPECIAL GEAR OIL OF WIND DRIVEN GENERATOR YLC-320WT 风力发电机专用齿轮油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 易龙320WT 风力发电机专用齿轮油是全合成工业齿轮润滑油，选用优质合成基础油与优质添加剂复合技术，具有极高的粘温性能，环境适应性强，拥有良好的抗冲击载荷及优异的减磨和防锈能力；
- ◆ 与常规齿轮油的化学性质相比，它可改善齿轮箱滚动轴承的润滑能力。相比常规齿轮油，能提供显著的抗锈和抗腐蚀保护；
- ◆ 卓越抗微蚀疲劳磨损保护及对传统刮擦磨损的更好的防护性能，有助于延长在极端负荷、速度和温度下运行的闭式齿轮驱动器中的齿轮和轴承的寿命；
- ◆ 高温下卓越的抗分解能力，帮助延长的润滑油寿命和换油周期有助于减少油耗和人力成本；
- ◆ 高粘度的基础油减少受温度变化影响的黏度变化，可在高温和低温运行，对无油加热或冷却的远程应用尤为重要。
- ◆ EILONG 320WT special gear oil of wind turbine is a kind of total synthetic industrial gear lubricating oil, and it has high viscosity-temperature property, strong environment adaptability, good anti-impact load and excellent friction-reduction and anti-rust capability due to the composite technology of good synthetic base oil and additives;
- ◆ Compared with the chemical properties of conventional gear oil, it can improve the lubricating capacity of gearbox rolling bearings. Compared with conventional gear oil, it can provide the significant protection of rust and corrosion resistance;
- ◆ Excellent resistance to micro-etching, fatigue and wearing and better protection against traditional scratches and wearing help to extend the service life of gears and bearings in closed gear drives in terms of extreme load, speed and temperature;
- ◆ Excellent resistance to decomposition under high temperature helps to extend the service life of lubricating oil and the oil change cycle, which is conducive to reducing oil consumption and labor costs;
- ◆ High viscosity base oil reduces changes in the viscosity due to temperature changes, which can be operated under high and low temperatures, and this is extremely important for remote applications of oil-free heating or cooling.

质量认证及规格/QUALITY CERTIFICATION AND SPECIFICATION:

- ◆ 适用于海陆上2.5-3MW 主流机型的减速箱使用；
- ◆ 风力涡轮机，尤其是高负荷和冲击负荷、远距离和严苛温度环境下工作的；
- ◆ 风力涡轮机里的辅助齿轮箱，例如用于变桨和偏航齿轮驱动。
- ◆ Be applicable to reducer of marine and land 2.5-3MW mainstream type;
- ◆ Wind turbine, especially for those working under high load and impact load, long distance and severe temperature environment;
- ◆ Auxiliary gearbox in wind turbine, such as for variable pitch and yaw gear driving.



应用范围/APPLICATION SCOPE:

- ◆ 超越美国石油协会 API GL-5、欧洲汽车制造商协会相应质量等级规格要求。
- ◆ 粘度级别符合美国汽车工程师协会相应规格要求。
- ◆ 粘度等级 VISCOSITY GRADE:
80W-90 85W-90 85W-140
- ◆ 包装规格 PACKING SPECIFICATION:
3.5L 4L 18L 170kg
- ◆ Exceed the quality grade and specification requirement of API GL-5 and ACEA.
- ◆ The viscosity grade meets the specification requirement of SAE.



TURBINE OIL

汽轮机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 易龙汽轮机油系列是由深度精制基础添加抗氧化剂和抗磨剂等调制成的，主要适用于电力工业、冶金工业、石油化工及航运船舶的各种重负荷大功率汽轮发电机、汽轮压缩机、汽轮鼓风机和其他汽轮驱动装置，包括汽轮机主轴承、变速机构、传动齿轮和附属装置的润滑。
- ◆ 良好的氧化安定性，采用了精选抗氧化剂，使用中不易生成酸性物质和沉淀，可延长使用寿命；具有良好的抗乳化性且易与水分离，可防止产品进水后乳化，影响使用性能，即使有冷凝水混入系统也能迅速分离；良好的空气释放及防锈性，使生成的气泡快速消失及润滑系统不发生锈蚀。
- ◆ 良好的黏温性能，对汽轮机提供最基本的保障；良好的抗氧化性能、防锈性，具有较长的氧化寿命，延长换油周期；良好的抗泡沫性，提供有效油膜保护，起良好润滑和散热作用。
- ◆ 易龙汽轮机油系列共分为L-TSA、L-TSE、L-TGA、L-TGE 四种。
- ◆ EILONG turbine oils are prepared by adding antioxidants, anti-wear agents etc. based on deep refining, which is mainly applicable to the power industry, metallurgical industry, petrochemical industry and a variety of heavy-duty high-power turbo-generators, turbo-compressors, turbo-blowers and other turbo-drives used in shipping, including the lubrication of main bearings, shift mechanism, drive gears and attachments.
- ◆ It is not likely to generate acidic substances and precipitation during use due to good oxidation stability and selected antioxidants, which can extend the service life; good resistance to emulsification and easy separation from water can prevent products from emulsifying in the water, which affects performance, and even if condensed water is mixed into the system, it can be quickly separated; Good air release and resistance to rust enable generated bubbles to quickly disappear and the lubricating system not to rust.
- ◆ Good performance of characteristics of the relationship between viscosity and temperature provides the most basic guarantee for steam turbines: good resistance to oxidation and rust, least a relatively long oxidation life and extended oil change cycle; good resistance to bubbles provides effective oil slick protection and plays the role of good lubrication and heat radiation.
- ◆ EILONG turbine oil can be divided into a total of four kinds of L-TSA, L-TSE, L-TGA and L-TGE.



应用范围/APPLICATION SCOPE:

- ◆ L-TSA、L-TGA 为含有适当的抗氧化剂和腐蚀抑制剂的精制矿物油型汽轮机油；
- ◆ L-TSE 是为润滑齿轮系统而较L-TSA 增加了极压性要求的汽轮机油，适用于蒸汽轮机；
- ◆ L-TGE 是为润滑齿轮系统而较L-TGA 增加了极压性要求的燃气轮机油，适用于燃气轮机。
- ◆ L-TSA and L-TGA are refined mineral turbine oil containing appropriate antioxidants and corrosion inhibitors;
- ◆ L-TSE is turbine oil for the lubrication of the gear system **with the addition of the extreme pressure property compared with L-TSA, which is applicable to steam turbines;**
- ◆ L-TGE gas turbine oil for the lubrication of the gear system **with the addition of the extreme pressure property compared with L-TGA, which is applicable to gas turbines.**

产品规格 / SPECIFICATIONS:

- ◆ L-TSA: 32, 46, 68
- ◆ L-TSE: 32, 46, 68, 100
- ◆ L-TGA: 32, 46, 68
- ◆ L-TGE: 32, 46, 68



CONDUCTION OIL

导热油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 采用精制矿物油，加入抗氧、抗垢等添加剂调制而成。
- ◆ 外观浅黄色透明液体，化学性能稳定。具有良好的热稳定性，热氧化安定性、传热性以及较低的挥发性。L-QB 最高使用温度为300℃；初馏点不低于300℃，L-QC 最高使用温度为320℃，初馏点不低于320℃。
- ◆ Refined mineral oil, prepared with anti-oxidant and anti-fouling additives.
- ◆ Light-yellow transparent liquid and stable chemical performance. With good heat stability, heat oxidation stability, heat transmission and lower volatility. **Maximum** working temperature of L-QB: 300℃; **initial boiling point** not lower than 300℃; **maximum** working temperature of L-QC: 320℃; **initial boiling point** not lower than 320℃.



技术参数/TECHNICAL PARAMETER:

项目Project		质量指标Quality index				测试标准Standards
		SD-280	SD-300	D-320	SD-350	
外观Appearance		黄色透明ellow transparent				
运动粘度Kinematic viscosity [50℃] mm ² /s		26-32	4.5-5.8	9.5-1.5		GB/T265
燃点Ignition point	不低于Not less than	235	165	205		GB/T267
倾点Pour point, °C	不高于Not higher than	-3	5			GB/T510
闪点(开口)Flash point (opening) °C	不低于Not less than	235	165	205		GB/T261
酸值Acid value [mg/KOH/g] 铜片腐蚀Copper corrosion at 100	不大于Not greater than °C.level 3h	0.03 合格Qualified				GB/T264 GB/T019 5
残炭(加剂前)质量分数(Residual carbon (before addition) (mass fraction) %		无Nothing				GB/T260
不大于Not greater than	不大于Not greater than	0.05	0.03			GB/T268
机械杂质(质量分数)Mechanical impurities (mass fraction) %		无Nothing				GB/T206
馏程Distillation range °C						GB/T0165
2%	不低于Not less than	0.02	0.02	0.02		GB/T0165
98%	不高于Not higher than	320	300	320		GB/T0165
热氧化安定性Thermal oxidation stability		通过Adopt				GB/T219

应用范围/APPLICATION SCOPE:

适用于工业和民用热载体间接传热设备。建议加热炉出口处油温不超过280℃。避免与其他油品混合使用。

Be applicable to industrial and civil heat carrier indirect heat transfer equipment. The recommended oil temperature at the outlet of heating furnace should not be higher than 280℃. Don't mix it with other oil products.



32#/46# AIR COMPRESSOR OIL 空气压缩机油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 优异的热氧化安定性，有效抑制高温积炭和沉积物生成，延长油品使用寿命；
- ◆ 良好的抗磨与高承载性能，有效减少压缩机环、汽缸、轴承与齿轮的磨损；
- ◆ 良好的防锈与抗腐蚀保护，有效提升压缩机阀系与齿轮和轴承保护；
- ◆ 良好的油水分离性及抗泡性能，使空气中凝结于油的水分能迅速分离。
- ◆ Excellent thermal oxidation stability, effectively suppressing high-temperature coking and sediment formation, and extending the service life of oil products;
- ◆ Good anti-wear and high load-bearing performance, effectively reducing the wear of compressor rings, cylinders, bearings, and gears;
- ◆ Good rust and corrosion protection, effectively improving the protection of compressor valve system, gears and bearings;
- ◆ Good oil-water separation and anti foaming performance enable the rapid separation of water condensed in oil in the air.



应用范围/APPLICATION SCOPE:

- ◆ 适用于排气压力小于8bar、排气温度小于90℃的移动或固定螺杆式空气压缩机；
- ◆ 适用于标准工况下推荐换油周期3000~4000小时的移动或固定螺杆式空气压缩机。
- ◆ Suitable for mobile or fixed screw air compressors with exhaust pressure less than 8 bar and exhaust temperature less than 90℃;
- ◆ Suitable for mobile or fixed screw air compressors with recommended oil change intervals of 3000-400 hours under standard operating conditions.

技术参数/TECHNICAL PARAMETER:

项目Project	质量指标Duality index		测试标准Standards
	32#	46#	
外观Appearance	浅黄色透明Light yellow transparent	浅黄色透明Light yellow transparent	目测Visualization
运动粘度Kinematic viscosity [40℃C]mm²s	32.6	46.7	GB/T 265
粘度指数Viscosity index	108	109	GB/T1995
倾点Pour point /℃	-36	-36	GB/T 3535
开口闪点Open flash point /℃	240	241	GB/T 3536
泡沫特性程序IFoam charactenistic procedure [24℃]/(mL/mL)	0/0	0/0	GB/T 12579
抗乳化性(乳化液到3mL的时间/54℃)Emulsification resistance time for emulsion to reach 3mL/54℃/min	5	5	GB/T7305
包装规格Packaging seifications/kg	170	15/170	



FAST BRIGHT QUENCHING OIL 快速光亮淬火油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 外观为棕色透明液体，具有良好的催冷性、抗氧化性和流动性，挥发性较低；
- ◆ 具有比机械油好的催冷性能及使用寿命；
- ◆ 有较好的冷却速度，淬火后工作表面保持使用寿命长；
- ◆ 优异的催冷性能，表面保持光亮；具有耗油少，使用寿命长，防锈性能极佳。
- ◆ It's brown transparent liquid characterized by good cooling, oxidation resistance and fluidity and low volatility;
- ◆ It has better cooling performance and service life than machines;
- ◆ It has a relatively good cooling speed, and after quenching, working surface maintains a long service life;
- ◆ Excellent cooling performance enables the surface to be kept bright; it's characterized by less oil consumption, long service life and excellent rust resistance performance.



应用范围/APPLICATION SCOPE:

- ◆ 适用于作大型保护气氛淬火自动线及普通机械零件的淬火介质。普通淬火油适用于盐浴炉或保护气氛的轴承、工模具钢、合金钢和渗碳钢工件的淬火，最佳使用温度50-80℃；
- ◆ 快速淬火油适用于轴承，以及大型齿轮及淬火及压床的淬火，使用温度20-80℃；
- ◆ 快速光亮淬火油适用于轴承钢，工模具钢及其他结构在保护气氛下淬火，使用温度20-80℃。
- ◆ Is applicable to quenching media for large protective atmosphere quenching automatic line and general mechanical parts. Ordinary quenching oil is applicable to the quenching of salt bath furnaces of bearing, tool and mould steel, alloy steel and cemented steel workpieces of protective atmosphere, and the best use temperature is 50-80℃;
- ◆ Fast quenching oil is applicable to the quenching of bearings, large gears and presses, and the use temperature is 20-80℃;
- ◆ Fast and bright quenching oil is applicable to the quenching of bearing steel, tool and mould steel and other structures under protective atmosphere, and the use temperature is 20-80℃.

技术参数/TECHNICAL PARAMETER:

项目 Project		质量指标 Quality index			测试标准 Standards
		普通淬火油	快速淬火油	快速光亮淬火油	
运动粘度 Kinematic viscosity 40℃ mm ² /s	不大于 Not greater than	30	26	38	GB/T 265
闪点(开口) Flash point (opening) °C	不低于 Not less than	180	170	180	GB/T 3536
燃点 Ignition point	不小于 Not less than	200	190	200	GB/T 3536
水分 Water content	不高于 Not higher than	痕迹 Trace	痕迹 Trace	无 Not have	GB/T 260
倾点 Pour a title	不大于 Not greater than	-9	-9	-5	GB/T 3535
铜片腐蚀 Copper corrosion (10℃.3h) 级 Grade	不大于 Not greater than	1	1	1	GB/T 5096



(CONCRETE) WATER-BASED RELEASE AGENT (混凝土) 水性脱模剂

本品是由精制矿物油、防锈剂、高分子聚合物、表面活性剂等功能性添加剂，经过特殊工艺反应而成。是一种新型、环保、高效的脱模剂，对各种钢铁模板、铝合金模板、木模板、塑胶板等有很强的附着力，脱模剂涂刷后，在模板表面形成一层保护膜，将模板与浇注的混凝土隔离，达到很好的脱模效果。

This product is made from functional additives such as refined mineral oil, rust inhibitor, polymer, surfactant, etc., which undergo special process reactions. It is a new, environmentally friendly and efficient release agent that has strong adhesion to various steel templates, aluminum alloy templates, wooden templates, plastic boards, etc. After the release agent is applied, a protective film is formed on the surface of the template to isolate it from the poured concrete, achieving a good demolding effect.

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 节能环保、无毒，可以生物降解；
- ◆ 脱模效果好，浇注出来的混凝土制品平整、光滑、手感细腻；
- ◆ 用量少，脱模效率高，使用方便。
- ◆ Energy saving, environmentally friendly, non-toxic, and biodegradable;
- ◆ Good demolding effect, the poured concrete products are flat, smooth, and have a delicate hand feel;
- ◆ Low usage high demolding efficiency and easy to use.

应用范围/APPLICATION SCOPE:

- ◆ 适用于各种混凝土制品的隔离、脱模。
- ◆ 适用于钢铁模板、铝模板、铝合金模板、木模板及塑胶模板等。
- ◆ Suitable for isolation and demolding various concrete products.
- ◆ Suitable for steel formwork, aluminum formwork, aluminum alloy formwork, wooden formwork, plastic formwork, etc.

技术参数/TECHNICAL PARAMETER:

项目 Project	(混凝土) 水性脱模剂 (Concrete) Water based release agent
外观 Appearance	深黄色至浅棕色透明液体 Dark yellow to light brown transparent liquid
兑水稀释液, 10% Dilute with water, 10%	乳白色液体 Milky white liquid
PH值, 10%稀释液 PH value, 10% dilution solution	7.5 ± 0.5



使用方法/METHOD USED:

- ◆ 使用前，根据脱模工艺要求，可以加入5~10倍的水稀释、并搅拌均匀。
- ◆ 可以直接涂刷、涂料滚筒涂、喷涂等方式，涂抹均匀即可。
- ◆ Before use, according to the demolding process requirements, 5-10 times the amount of water can be added to dilute and stir evenly.
- ◆ It can be directly brushed, coated with a roller sprayed, etc., and applied evenly.

符合或超越以下标准

MEET OR EXCEED THE FOLLOWING STANDARDS:

Q/SARLBORO/0811-2023

包装规格 / PACKAGING SPECIFICATIONS:

可提供15kg 塑桶, 180kg 铁桶。
We can provide 15kg plastic drums and 180kg iron drums.



RAILWAY LOCOMOTIVE OIL(DIESEL LOCOMOTIVE ENGINE OIL FOURTH GENERATION OIL)

铁路机车用油(内燃机车柴油机油四代油)

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 具有高的碱值和优良的碱值保持能力，有效中和重质燃料燃烧产物，降低活塞、缸套和轴承的腐蚀。
- ◆ 卓越的热氧化稳定性和清净分散性，有效防止活塞沉淀物生成，保持发动机高度清洁。
- ◆ 良好的分散性，可以减少冷却系统和过滤系统的堵塞，延长过滤器的寿命。
- ◆ 优异的抗磨性、抗擦伤和油膜保护性，防止机件磨损，延长机件使用寿命。
- ◆ 无锌产品不仅适用于含银轴承机车的润滑，而且适用于非银轴承机车的润滑。
- ◆ Has high alkali value and excellent alkali value retention **ability** effectively neutralizes heavy fuel combustion products, and reduces corrosion of pistons, cylinder liners, and bearings.
Excellent thermal oxidation stability and clean dispersibility effectively prevent piston sedimentation and maintain high engine cleanliness.
- ◆ Good dispersibility can reduce blockages in cooling and filtering systems, and extend the lifespan of filters.
Excellent wear resistance, abrasion resistance, and oil **film protection prevent component wear and extend the service life of components.**
Zinc free products are not only suitable for lubricating locomotives with silver bearings, but also for lubricating locomotives with non silver bearings.

应用范围/APPLICATION SCOPE:

- ◆ 适用于使用高硫燃料($S > 0.5\%$) 的铁路内燃机车。◆ 适用于要求使用铁路四代油的内燃机车。
- ◆ 适用于强化系数大于75的内燃机车。◆ 适用于包括ND5 机车在内的中速、高速的四冲程铁路内燃机车和部分船用发动机的润滑。
- ◆ Suitable for railway diesel locomotives using high sulfur fuel ($S > 0.5\%$). ◆ Suitable for diesel locomotives that require the use of fourth generation railway oil.
- ◆ Suitable for diesel locomotives with a strengthening coefficient greater than 75. ◆ Suitable for lubrication of medium and high-speed four stroke railway diesel locomotives, including ND5 Locomotives, and some marine engines.

技术参数/TECHNICAL PARAMETER:

项目 Project	内燃机车柴油机油四代油 Diesel locomotive engine oil fourth generation oil
	40
运动粘度 Kinematic viscosity [100°C] mm ² /s	14.2
粘度指数 Viscosity index	101
密度 Density kg/m ³	895
闪点(开口) Flash point (opening) °C	260
倾点 Pour a little °C	-6
总碱值 Total alkalinity value mgKOH/g	11

技术规格/TECHNICAL SPECIFICATIONS:

- ◆ GB/T 17038 内燃机车柴油机油四代油；
- ◆ 美国机车保养员协会 LMOA 四代油规格要求。
- ◆ GB/T 17038 Diesel locomotive engine oil fourth generation oil;
- ◆ The LMOA fourth generation oil specification requirements of the American Locomotive Maintenance Association.





L-FC BEARING OIL 轴承油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 较好的润滑性能，减少磨损，降低摩擦，延长轴承使用寿命。
- ◆ 良好的抗氧化安定性，能够长期使用，延长换油期。
- ◆ 对钢铁及有色金属的防锈、防腐性能好。
- ◆ 良好的低温流动性，在低温时能够顺利启动，并对摩擦部位迅速冷却。
- ◆ 良好的抗泡沫性，确保设备稳定运行。
- ◆ Good lubrication performance, reducing wear, lowering friction, and extending the service life of bearings.
- ◆ **Good antioxidant safety**, can be used for a **long time**, and extends the oil change period.
- ◆ Good anti rust and anti-corrosion performance for steel and non-ferrous metals.
- ◆ **Good low-temperature fluidity**, able to start smoothly at low temperatures and quickly cool the friction parts.
- ◆ Good foam resistance to ensure stable operation of equipment.



应用范围/APPLICATION SCOPE:

- ◆ 适用于锭子、轴承、液压系统、齿轮和汽轮机等工业机械设备的润滑。
- ◆ Suitable for lubrication of industrial machinery and equipment such as spindles, bearings, hydraulic systems, **gears**, and steam turbines.

符合或超越以下标准/MEET OR EXCEED THE FOLLOWING STANDARDS:

SH/T 0017-1990

技术参数/TECHNICAL PARAMETER:

项目Project	L-FC轴承油Bearing oil		
ISO粘度等级ISO viscosity grade	2	5	7
运动粘度Kinematic viscosity 40℃]mm ² /s	2	4.8	7.0
闪点(开口)Flash point (opening)℃	82	100	140
倾点Pour a little ℃	-24	-24	-21



SHT-500 SYNTHETIC HIGH TEMPERATURE CHAIN OIL 合成高温链条油

性能特点/PERFORMANCE CHARACTERISTICS:

- ◆ 本产品是以优质合成油为基础油，并加入抗氧、抗磨、防腐蚀等添加剂精制而成。
- ◆ 良好的高温稳定性，使用温度可达240℃。
- ◆ 润滑抗磨损性突出，可承受较重负荷。
- ◆ 结焦少，链条可长期保持清洁状态。
- ◆ 粘温性能好，机器低温易启动。
- ◆ 挥发少，能有效节约润滑油料，不污染环境，改善工作条件。
- ◆ This product is made from high-quality synthetic oil as the base oil, and refined with additives such as anti-oxidation, anti-wear, and anti-corrosion.
- ◆ Good high-temperature stability, with a usage temperature of up to 240°C.
- ◆ Outstanding lubrication and wear resistance, capable of withstanding heavy loads.
- ◆ Less coking, the chain can maintain a clean state for a long time.
- ◆ Good adhesion temperature performance, easy to start at low temperatures.
- ◆ Low volatility, effectively saves lubricating oil, does not pollute the environment, and improves working conditions.

应用范围/APPLICATION SCOPE:

- ◆ 适用于纺织印染行业的国产及进口热定型机、拉伸拉幅机、印花定型机等高温链条传动系统的润滑。
- ◆ 使用温度范围 Temperature range: -20℃~240℃
- ◆ Suitable for lubricating high-temperature chain transmission systems such as domestic and imported heat setting machines, stretching and stretching machines, and printing and dyeing machines in the textile printing and dyeing industry.

技术参数/TECHNICAL PARAMETER:

项目/Project	SHT-500合成高温链条油/Synthetic High Temperature Chain Oil
运动粘度/Kinematic viscosity(100℃)/mm/s	281.8
	26.1
粘度指数/Viscosity index	121
中和值/Neutralization number mgKOH/g	0.18
闪点(开口)/Flash point (open)/℃	273
凝点/Freezing point /℃	-23
Noack蒸发/Noack evaporation 250℃, 1h/%	3.3



符合或超越以下标准

MEET OR EXCEED THE FOLLOWING STANDARDS:

Q/SH PRD233-2008

可供产品/AVAILABLE PRODUCTS:

- ◆ 4402系列热定型机油
- ◆ SHT-500 合成高温链条油
- ◆ SHT-518 合成高温链条油
- ◆ SHT-600 超级合成高温链条油
- ◆ SHT-618 烤漆链条专用高温润滑油
- ◆ 4402 series heat setting engine oil
- ◆ SHT-500 synthetic high-temperature chain oil
- ◆ SHT-518 synthetic high-temperature chain oil
- ◆ SHT-600 Super Synthetic High Temperature Chain Oil
- ◆ SHT-618 baking paint chain special high-temperature lubricating oil

GREASE

润滑脂

HIGH PERFORMANCE LITHIUM BASED GREASE

高性能锂基脂

产品特性/PRODUCT FEATURES:

- ◆ 应用领域广泛，油脂皂基结构稳定，胶体安定性好；
- ◆ 优异的抗水乳化性，保证在潮湿或海水环境下对设备的保护；
- ◆ 优异的机械安定性，结构稳定可靠，能保持良好的分油率；
- ◆ 防止润滑脂性能降低，有助于延长润滑脂使用寿命而延长换脂周期。
- ◆ Widely applicable in various fields, with stable soap based structure and good colloidal stability;
- ◆ Excellent resistance to water emulsification, ensuring protection of equipment in humid or seawater environments;
- ◆ Excellent mechanical stability, stable and reliable structure, able to maintain good oil separation rate;
- ◆ Preventing a decrease in the performance of lubricating grease helps to extend its service life and prolong the grease replacement cycle.

应用范围/APPLICATION SCOPE:

应用领域包括工程机械、电动工具、通用电机等。适用于集中泵送系统。

The application areas include engineering machinery, power tools, general motors, etc. Suitable for centralized pumping systems.

技术参数 / TECHNICAL PARAMETER:

项目Project	Ultralub 1-1000	Ultralub 1-100	测试标准Standards
外观Appearance	均匀光滑油膏Uniform and smooth ointment		目测Visualization
工作锥入度Working cone penetration/(0.1mm)	400~430	355~385	GB/T 269
滴点Drip point/' °C	≥180	≥200	GB/T 3498
蒸发损失Evaporation loss(99°C, 22h)/%	≤1.5		GB/T 7325
腐蚀Corrosion (T2铜片copper sheet, 100°C.C.24h)	铜片无绿色或黑色变化Copper sheet has no green or black variation		GB/T 5018
氧化安定性Oxidation stability 99°C, 10, 0.760MPa)压力降pressure drop/MPa	≤0.07		SH/T 0325



HP HIGH TEMPERATURE EXTREME PRESSURE GREASE

高温极压润滑脂

产品特性/PRODUCT FEATURES:

- ◆ 高附着能力、高滴点，有效防止润滑脂的流失，保证苛刻环境下对设备充分润滑；
- ◆ 耐高温性能佳，高温化学稳定性强，抗氧化能力突出，具备较长使用寿命；
- ◆ 防锈、防腐蚀能力突出，可保证轴承系统不被锈蚀；
- ◆ 极佳的极压抗磨性能，在高载荷下及冲击负荷下，仍能为设备提供可靠的润滑保护，保证设备的安全运行，延长工件的使用寿命。
- ◆ High adhesion ability and high drop point effectively prevent the loss of lubricating grease, ensuring sufficient lubrication of equipment in harsh environments;
- ◆ Excellent high temperature resistance, strong chemical stability at high temperatures, outstanding antioxidant capacity, and a long service life;
- ◆ Excellent rust and corrosion resistance, ensuring that the bearing system is not corroded;
- ◆ Excellent extreme pressure and anti-wear performance, providing reliable lubrication protection for equipment even under high loads and impact loads, ensuring safe operation of equipment and extending the service life of workpieces.

应用范围/APPLICATION SCOPE:

- ◆ 特别适用于苛刻环境下工件的润滑，包括高温、水污染、高负载和冲击负荷下或注脂周期较长的轴承系统；
- ◆ 广泛应用于工业设备、汽车、建筑、船舶等设备和行业中对润滑脂的综合性能要求较高的轴承系统，如乘用车及商用车的轮毂、拖架转盘、万向节系统等；
- ◆ 适用温度范围/Applicable temperature range:-30~180°C。
- ◆ Especially suitable for lubrication of workpieces in harsh environments including bearing stems under high temperature, water pollution, high load and impact load, with long grease injection cycles;
- ◆ Widely used in bearing systems that require high comprehensive performance of lubricating grease in industrial equipment, automobiles, construction, ships and other industries, such as wheel hubs, trailer turntables, universal joint systems, etc. for passenger cars and commercial vehicles;



ADDITIVE 添加剂

LOW EMISSION,HIGH-PERFORMANCE,HEAVY-DUTY DIESEL ENGINE OIL COMPOSITE AGENT

低排放高性能重负荷柴油机油复合剂

产品描述 / PRODUCT DESCRIPTION:

采用当代先进配方核心技术，采用特殊摩擦改进剂和摩擦优化技术强化抗磨，磨损性能对发动机阀系统起到极大保护的同时发挥极大节能作用。本品为低硫、低磷、低灰分、高性能重负荷柴油机油复合剂。符合全球最新排放标准要求的欧V、VI、国V、VI排放要求的低灰分复合剂，并适用于强制推荐使用后处理技术DPF和SCR技术的重负荷车辆。可满足API CK-4/FA-4及ACEA E8/E11-22等性能要求。

Adopting the core technology of modern advanced formula, special friction modifiers and friction optimization techniques are used to enhance anti-wear performance, which greatly protects the engine valve system while also playing a significant energy-saving role. This product is a low sulfur, low phosphorus, low ash, high-performance heavy duty diesel engine oil composite agent. A low ash composite agent that meets the latest global emission standards for Euro V and VI, as well as the emission requirements for National V and VI, and is suitable for heavy-duty vehicles that are mandated to use post-treatment technologies such as DPF and SCR. Can meet performance requirements such as API CK-4/FA-4 and ACEA E8/E11-22.

技术参数/TECHNICAL PARAMETER:

项目Project	质量指标Quality index	典型数据Typical Data	测试标准Standards
密度Density 120℃/kg/m ³	实测Actual testing	1050	GB/T1884
运动粘度Kinematic viscosity 100℃/mm ² /s	实测Actual testing	128	GB/T265
碱值Alkali value mgKOH/g	≥42	47	SH/T0251
钙含量Calcium content m%	0.65-0.82	0.71	SH/T0270
锌含量Zinc content m%	0.37-0.61	0.47	SH/T0226
磷含量Phosphorus content m%	0.31-0.41	0.38	SH/T0296
氮含量Nitrogen content m%	≥0.78	0.86	SH/T0224
硫含量Sulfur content m%	≤1.42	1.22	SH/T0303
硼含量Boron content m%	≥0.24	0.31	SH/T0227
镁含量Magnesium content m%	≥0.20	0.30	GB/17476
钼含量Molybdenum content m%	0.08-0.12	0.1	GB/T17476
硫酸盐灰分Sulfated ash content m%	≤5.0	4.9	GB/T2433

产品应用/APPLICATION:

质量等级 Quality Grade	加剂量 Dosage increase [L/MG]	SAE粘度等级 SAE Viscosity grade
API CK-4/FA-4	19.3	5W-30, 10W-30,
ACEA E8/E11-22	19.3	10N-40, 15W-40



HIGH PERFORMANCE GASOLINE ENGINE OIL COMPOSITE AGENT

高性能汽油机油复合剂

产品描述 / PRODUCT DESCRIPTION:

适用于 ILSAC GF-6A/R API SP 标准的高性能汽油机油复合剂，具有优异的润滑性和燃油经济性，低粘度化有效控制漆膜和油泥的生成，达到较好的减磨节能效果，符合全球最新的欧 VI、国 VI 排放要求。满足发动机对抗低速早燃、涡轮增压保护、抗正时磨损、抗氧化和空气释放性等性能的特殊要求。用于合适的 II、III、IV 类基础油以满足性能需求。

High performance automotive oil composite suitable for LSAC GF-6A/R API SP standard, with excellent lubricity and fuel economy, low viscosity effectively controlling the formation of paint film and sludge, achieving good wear reduction and energy-saving effects, and meeting the latest Euro VI and National VI emission requirements worldwide. Meet the special requirements of the engine for combating low-speed premature combustion, turbocharging protection, anti timing wear, anti-oxidation, and air release performance. Suitable for Class II, III, and IV base oils to meet performance requirements.

技术参数/TECHNICAL PARAMETER:

项目Project	质量指标Quality index	典型数据Typical Data	测试标准Standards
密度Density 120℃/kg/m ³	实测Actual testing	1120	GB/T1884
运动粘度Kinematic viscosity 100℃/mm ² /s	实测Actual testing	102	GB/T265
闪点(开口)Flash point (open) °C	≥180	192	GB/T3536
总碱值Total alkalinity value mgKOH/g	85-98	90	SH/T0251
钙Calcium m%	1.42-1.65	1.52	SH/T0270
磷Phosphorus m%	0.75-0.9	0.78	SH/T0296
锌Zinc m%	0.88-1.08	0.91	SH/T0226
钼Molybdenum m%	0.18-0.24	0.20	GB/T17476
氮Nitrogen m%	0.90-1.20	1.00	SH/T0224
硫Sulfur m%	≤3.5	2.25	SH/T0303
镁Magnesium m%	0.60-0.80	0.65	GB/T17476
硼Boron m%	0.12-0.20	0.16	SH/T0227
硫酸盐灰分Sulphated ash m%	≤9.2	9.01	GB/T2433

产品应用/APPLICATION:

质量等级 Quality Grade	加剂量 Dosage increase [L/MG]	SAE粘度等级 SAE Viscosity grade
API SP	8.0	0W-20, 5W-20, 5W-30, 5W-40, 10W-30, 10W-40, 15W-40
ILSAC GF-6A	8.0	0W-20, 5W-20, 5W-30, 10W-30
ILSAC GF-6B	8.2	0W-16



GENERAL GEAR OIL COMPOUND
通用齿轮油复合剂

产品描述/ PRODUCT DESCRIPTION:

本品选用多种优质添加剂复合而成，优异的承载能力、抗擦伤性能、清净性和抗氧化性能，一种性能均衡的通用型齿轮油复合剂。该剂适用于高负荷工况下使用的车辆齿轮油，还可调制中、重负荷工业齿轮油，优异的油溶性，适用于I, II类及以上基础油，满足API GL-5等级要求。

This product is made by compounding multiple high-quality additives, with excellent load-bearing capacity, abrasion resistance, cleanliness, and antioxidant properties. It is a universal gear oil compound with balanced performance. This agent is suitable for vehicle gear oil used under high load conditions, and can also be used to prepare medium and heavy load industrial gear oil. It has excellent oil solubility and is suitable for Class I, II and above base oils, meeting the requirements of API GL-5 grade.

产品规格/ SPECIFICATIONS:

产品包装可采用标准铁桶、镀锌桶、IBC桶、槽车等。

Product packaging can use standard iron drums, galvanized drums, IBC drums, tanker trucks, etc.

技术参数/ TECHNICAL PARAMETER:

项目Project	典型数据Typical Data	测试标准Standards
密度Density [20℃] kg/m ³	1050	GB/T1884
闪点(开口)Flash point (pening) °C	102	GB/T3536
铜片腐蚀Copper corrosion [121℃, 3h] 级grade	1a	GB/T5096
硫含量Sulfur content m%	35.1	SH/T0303
磷含量Phosphorus content m%	1.26	SH/T0296
氮含量Nitrogen content m%	0.64	SH/T0224
四球机试验Four ball machine test, PB(N)	1362	GB/T3142
四球机试验Four ball machine test, PD(N)	49CD	GB/T3142
四球机试验Four ball machine test, D39260(mm)	0.35	NB/SH/T0189

*注：四球机试验采用150N基础油，加剂量3.5%。Note: The four ball machine test uses 150N base oil with a dosage of 3.5%.

ASH FREE ANTI-WEAR HYDRAULIC OIL COMPOSITE AGENT
无灰抗磨液压油复合剂

产品描述/ PRODUCT DESCRIPTION:

本产品用于调制高压抗磨液压油，具有优异的抗氧、抗磨、防锈等性能，可适用于高负荷，对分水性能、过滤性要求苛刻环境，产品质量符合国家标准GB11118.1-2011高性能液压油质量标准。同时满足旋转、往复式空气压缩机油及汽轮机油应用需求。

This product is used to modulate high-pressure anti-wear hydraulic oil and has excellent properties such as anti-oxidation, anti-wear, and rust prevention. It is suitable for high load environments with strict requirements for water separation and filtration performance. The product quality meets the national standard GB11118.1-2011 for high-performance hydraulic oil quality. Simultaneously meet the application requirements of rotary and reciprocating air compressor oil and turbine oil.

应用优势/ APPLICATION ADVANTAGES:

- ◆ 优异的氧化安定性
- ◆ 良好的分水性能
- ◆ Excellent oxidation stability
- ◆ High load capacity
- ◆ Good water separation performance
- ◆ 良好的水解安定性
- ◆ 良好的防锈性能
- ◆ 良好的过滤性
- ◆ Good hydrolytic stability
- ◆ Good rust prevention performance
- ◆ Good filtering performance
- ◆ 无灰、无钙
- ◆ 适用于旋转、往复式压缩机及汽轮机油
- ◆ 在I、II、III类基础油中性能良好
- ◆ No ash, no calcium
- ◆ Suitable for rotary, reciprocating compressors and turbine oil
- ◆ Good performance in Class I, II and III base oils

技术参数/ TECHNICAL PARAMETER:

项目Project	质量指标Quality index	测试标准Standards
颜色Colour	黄色透明液体Yellow transparent liquid	目测Visualization
密度Density [20℃] kg/m ³	实测Actual testing	GB/T1884
运动粘度Kinematic viscosity [40℃] mm ² /s	实测Actual testing	GB/T265
闪点(开口)Flash point (opening) °C	≥120	GB/T3536
硫含量Sulfur content m%	≥12.0	SH/T0303
磷含量Phosphorus content m%	≥4.9	SH/T0296



产品应用/ APPLICATION:

API质量等级 Qualit Grade	加剂量 Dosage increase (m%)
GL-5	3.5
GL-4	1.75
重负荷Heavy load	1.2
中负荷Medium load	1.0



产品应用/ APPLICATION:

本品调制油品时加剂量：0.6 (m%)。
The dosage of this product when preparing oil is 0.6 (m%).

AUTOMOTIVE AUTOMATIC TRANSMISSION OIL COMPOUND
汽车自动挡变速箱油复合剂

产品描述 / PRODUCT DESCRIPTION:

本产品由摩擦改进剂、抗磨剂、分散剂、抗氧化剂、防锈剂等添加剂组成，经过合理的复配和严格的检测评价，在合适的基础油和粘指剂中，Eilong8060 可适用于要求 GM DEXRON-VI、Ford Mercon 规格要求的油品。在平衡好动静摩擦的同时，可以保持出色的摩擦耐久特性，还具有良好的热氧化安定性和抗磨性能，良好的粘温性能和橡胶密封材料适应性。

This product is composed of friction improvers, anti-wear agents, dispersants, antioxidants, rust inhibitors and other additives. After reasonable compounding and strict testing and evaluation, Eilong8060 can be applied to oil products that require GM DEXRON-VI and Ford Mercon specifications in suitable base oils and viscosity agents. While balancing dynamic and static friction, it can maintain excellent friction durability characteristics, as well as good thermal oxidation stability and anti-wear performance, good viscosity temperature performance, and adaptability of rubber sealing materials.

技术参数 / TECHNICAL PARAMETER:

项目 Project	典型数据 Typical Data	测试标准 Standards
外观 Appearance	浅棕色均匀透明液体 light brown uniform transparent liquid	目测 Visualization
运动粘度 Kinematic viscosity [100°C] mm²/s	报告 Report	GB/T 265
密度 Density [20°C] kg/m³	实测 Actual testing	GB/T 1884
磷含量 Phosphorus content %	0.48	SH/T 0824
氮含量 Nitrogen content %	1.36	SH/T 0224
硼含量 Boron content %	0.18	SH/T 0824
钙含量 Calcium content %	0.14	SH/T 0824
水分 Water content %	≤0.2	GB/T 260
机械杂质 Mechanical impurities %	≤0.2	GB/T 511



产品应用 / APPLICATION:

推荐加剂量 7.45% (质量分数)
。 Recommended dosage is 7.45% [mass fraction].

SPECIAL REDUCER OIL COMPOUND FOR PURE ELECTRIC AND HYBRID ELECTRIC VEHICLES
纯电与混动电动车专用减速箱油复合剂

产品描述 / PRODUCT DESCRIPTION:

该产品由极压剂、抗磨剂、分散剂、抗氧化剂、金属减活剂等添加剂组成，经过合理的复配和严格的检测评价，在合适的基础油和粘指剂中，Eilong8090 可满足油冷电机纯电动汽车减速箱用油的技术要求。可以在抗磨损性能和抗腐蚀性能中达到良好的平衡，可满足对油品长时间高温下的氧化稳定性和铜腐保护的要求。

This product is composed of additives such as extreme pressure agent, anti-wear agent, dispersant, antioxidant, metal deactivation agent, etc. After reasonable compounding and strict testing and evaluation, Eilong8090 can meet the technical requirements of oil cooling motor pure electric vehicle gearbox oil in suitable base oil and viscosity agent. It can achieve a good balance between wear resistance and corrosion resistance, and meet the requirements for oxidation stability and copper corrosion protection of oil products under long-term high temperature.

技术参数 / TECHNICAL PARAMETER:

项目 Project	典型数据 Typical Data	测试标准 Standards
外观 Appearance	棕色透明液体 Brown transparent liquid	目测 Visualization
运动粘度 Kinematic viscosity (100°C) mm²/s	报告 Report	GB/T 265
密度 Density [20°C] kg/m³	实测 Actual testing	GB/T 1884
磷含量 Phosphorus content %	1.90	SH/T 0824
氮含量 Nitrogen content %	1.76	SH/T 0224
硼含量 Boron content %	0.14	SH/T 0824
硫含量 Sulfur content %	2.28	SH/T 0303
水分 Water content %	≤0.2	GB/T 260
机械杂质 Mechanical impurities %	≤0.2	GB/T 511



产品应用 / APPLICATION:

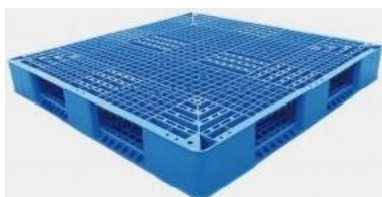
推荐加剂量 6.0% (质量分数) (适用于粘度为 5.2-7.0 的减速箱油)。

Recommended dosage is 6.0% [mass fraction] (applicable to gearbox oil with viscosity of 5.2-7.0).

CUSTOMIZED PRODUCTS 定制产品

易龙凭借强大的科研能力、经验丰富的团队、先进的设备，在自身取的长远发展的同时，还可以根据客户的具体需要，提供定制的 OEM、ODM 服务。我们不仅可以为客户提供各种等级的油品种类，还可以为客户提供各种容量、形状、颜色的容器以及各种产品桶标设计，为客户创造更多价值，助力客户的发展。

EILONG,with its strong research capabilities,experienced team,and advanced equipment,can provide customized OEM and ODM serices according to the specific needs of customers while pursuing long-term development.We can not only provide customers with various grades of oil products,but also offer containers of different capacities,shapes,and colors,as well as various product brrel label designs,to create more value for customers and help their development.



01



- 01 徐工集团定制产品
XCMG Group Customized Products
- 02 奥力特重工定制产品
Aolite Heavy Industry Customized Products
- 03 明宇重工定制产品
Mingyu Heavy Industry Customized Products
- 04 云内动力定制产品
Yunnei Customized Products
- 05 山推定制产品
Shantui Customized Products



02



03



04



05



EILONG LUBRICANT ACADEMICIAN WORKSTATION

易龙润滑油院士工作站

2019年3月，与中国科学院刘维民院士合作成立了以研发高端润滑油脂为主要方向的院士工作站。作为中科院刘维民院士唯一院士工作站，易龙润滑油院士工作站将依托中科院 兰化所和兰化所青岛研发中心重点研发开式齿轮润滑油、高档低粘度汽车润滑油和长寿命 工程机械润滑油，并合作建设高端特种油脂研究中心和生产基地。

2022年4月，院士工作站二期合作共同针对高端设备用金属加工液进行深度开发。同时 依托院士工作站申报的高端装备用液压油关键技术研究及产业化项目被山东省科技厅评为山东省重大科技创新项目。

2025年，我司与院士工作站继续开展第3期合作，针对高端金属加工液产品现有性能与效果进行了全面的优化与提升。在此基础上，防锈清洗配套产品也进行了全面的产业化推广。与此同时，大型矿区专用液压支架乳化油、液等全线产品也进行了广泛的应用与提升。



In March 2019, an academician workstation focusing on the research and development of high-end lubricating greases was established in cooperation with Academician Liu Weimin of the Chinese Academy of Sciences. As the only academician workstation of Academician Liu Weimin of the Chinese Academy of Sciences, the Yilong Lubricating Oil Academician Workstation will rely on the key research and development of open gear lubricating grease, high-end low viscosity automotive lubricating oil, and high-efficiency engineering machinery lubricating grease by the Institute of Chemistry of the Chinese Academy of Sciences and its Qingdao R&D Center, and cooperate to build a high-end special grease research center and production base.

In April 2022, the second phase cooperation of the Academician Workstation jointly conducted in the development of metalworking fluids for high-end equipment. At the same time, the key technology research and industrialization project of hydraulic fluid for high-end equipment which was applied based on the academician workstation, as rated as a major scientific and technological innovation project in Shandong Province by the Science and Technology Department of Shandong Province.

In 2025, our company continues the Phase II operation with the Academician Workstation, conducting a comprehensive optimization and upgrading of the existing performance and efficacy of high-end metalworking fluid products. On this basis, the sales industrialization and promotion of anti-rust and cleaning products were also carried out. Meanwhile, the entire product range including special emulsified oils and fluids for hydraulic supports in large mining areas has been extensively applied and further improved.

核心团队/CORE TEAM



刘维民 中国科学院院士
Liu Weimin, Academician
of Chinese Academy of Sciences

刘维民，中国科学院院士，亚太材料科学院(APAM-Asian Pacific Academy of Materials)院士，发展中国家科学院(TWAS)院士。主持完成了“神州七号飞船空间润滑材料环境实验”等项目。

1984年毕业于山东师范大学化学系，1990年在中国科学院兰州化学物理研究所获得理学博士学位，之后工作于该研究所固体润滑开放研究实验室(2000年成为国家重点实验室)，从事润滑材料及摩擦化学等研究工作。曾担任固体润滑国家重点实验室主任、兰州化学物理研究所副所长和所长；中国机械工程学会摩擦学分会主任委员，联合发起人和技术指导。

为我国的航天、航空、高技术装备等发展了数十种润滑材料或技术，获得国家自然科学二等奖2项、国家技术发明二等奖3项；获得全国五一劳动奖章、全国优秀科技工作者、何梁何利科学与技术进步奖等奖励。合作编著出版《齿轮传动润滑材料》、《空间润滑材料与技术手册》、《纳米润滑材料技术》等4部中文专著。目前主要从事航天航空润滑、材料磨损及合成润滑材料研究。

Liu Weimin, Academician of the CAS, Member, Academician of the Asia Pacific Academy of Materials, and Academician of the TWAS. Hosted and completed projects such as the "Shenzhou-7 Spacecraft Space Lubrication Material Environmental Experiment".

He graduated from the Department of Chemistry Shandong Normal University in 1984, and obtained a doctor's degree from the Lanzhou Institute of Chemical Physics of the Chinese Academy of Sciences in 1990. Later, he worked in the Open Research Laboratory of Solid Lubrication of the Institute (became a State Key Laboratory in 2000), engaged in research on lubricating materials and friction chemistry. Served as director of the State Key Laboratory of Solid Lubrication, deputy director and director of Lanzhou Institute of Chemical Physics, Chairman, co-founder, and technical guidance of the Tribology Branch of the Chinese Society of Mechanical Engineering.

Developed dozens of Lubricating materials and technologies for China's aerospace, aviation, high-tech equipment, etc., and won 2 National Natural Science Second Prizes and 3 National Technology Invention Second Prizes. Received awards such as the National May Day Labor Medal, National Outstanding Science and Technology Worker, and He Liang Heli Science and Technology Progress Award. Co-authored and published four Chinese monographs, including "Gear Transmission Lubrication Materials", "Space Lubrication Materials and Technology Manual", and "Nano Lubrication Material Technology". At present, we mainly engage in research on aerospace lubrication, material wear, and synthetic lubricating materials.

院士工作站合作目标 /COOPERATION OBJECTIVES



拟转化的技术成果
Technical achievements
to be transformed



拟合作研发的新技术
New technologies to
be co-developed



拟合作共建的平台
Platform to be jointly built



人才品牌/申请专利等
Talent brand
patent application, etc.



重载开式齿轮润滑油脂
Heavy duty open gear grease



OW/16、0W/20低
粘度 发动机润滑油技
术研发
0W/16,0W/20 Low viscosity engine lubricant
technology research and development



国家级润滑油实验室
工程机械润滑油品研发中心
National Lubricant Laboratory
Construction Machinery Lubricants R&D Center



为企业培训技术员15名
; 申请专利8-10项
Train 15 technicians for enterprises;
Apply for 8-10 patents



王晓波 研究员
Wang Xiaobo, Researcher



李维民 副研究员
Li Weimin, Researcher



韩鹏 易龙润滑油董事长
Han Peng, Chairman of EILONG Lubricants



孙立彬 易龙润滑油技术总监
Sun Libin, Technical Director of EILONG Lubricants

院士工作站的成立，将有效提高易龙润滑油自主创新能力和科研成果转化水平，促进我公司核心竞争力和创新能力发展，推动我公司人才队伍和科研水平快速成长。我公司将认真开展院士工作站自身建设，充分结合润滑油市场发展实际，争取更多水平高、影响大的重点科研项目，形成更多与行业联系紧密、易于转化的科研成果。

The establishment of the academican workstation willeffectively improve Eilong Lubricant's independent innovation ability and the level of scientific research results transformation, promote the development of our company's core competitiveness and innovation capabilities,and promote the rapid growth of our company's talent team and scientific research level. Our company will concientiously carry out the construction of academican workstations, fully integrate the actual development of the lubricant market, strive for more high-level and high-impact key scietific research projects, and form more scientific research results that are closely related to the industry and easy to transform.

BUSINESS HONORS 企业荣誉

2014年8月通过ISO9001:2008 质量管理体系认证;

2014年10月, 公司获“山东省高新技术企业”荣誉称号;

2014年10月, 公司“易龙润滑油”车队参加了沙漠越野赛“阿拉善英雄会”,并取得优异成绩;

2015年4月, 易龙润滑油成功参展在湖北武汉举办的全国汽车配件交易会;

2015年5月, 易龙润滑油成功参展在云南昆明举办的全国汽车配件博览会;

2016年1月“易龙”商标获得“山东省著名商标”;

2016年“易龙”商标获得“中国驰名商标”(司法认定)

2016年9月, 公司通过了“潍坊市车用润滑油工程技术研究中心”认定;

2017年3月, 公司获得“潍坊市守合同重信用企业”荣誉称号;
2017年5月, 通过了ISO14001:2015 环境管理体系认证;
2017年5月, 通过了OHSAS18001:2007 职业健康安全管理体系认证;

2017年8月, 通过了“安全生产标准化”的创建认定;

2017年11月, 通过了ISO/TS16949 质量管理体系认证;

2018年1月, 公司获得山东省润滑油行业协会评选的“优秀会员单位”荣誉称号;

2018年3月, 公司自主研发的“节能环保型高端发动机润滑油”通过了市科技局项目验收;

2019年3月, 与中国科学院刘维民院士合作成立了以研发高端润滑油脂为主要方向的院士工作站;

2020年, 与德国WASCUT 合作, 引进先进技术;

2022年4月, 依托院士工作站申报的高端装备用液压油关键技术研究及产业化项目被山东省科技厅评为山东省重大科技创新项目;

2023年, 易龙高端润滑材料实验室被评为潍坊重点实验室

; 2024年, 产品出口到50余个国家;

2025年, 易龙被评为“科技型中小企业”。

In August of 2014,the company passed ISO9001:2008 quality management system certification;

In October of 2014,the company gained the honor of "Shandong High-tech Enterprises";
In October of 2014,the "EILONG lubricating oil" car team participated in Desert Rally "Alxa Hero Meets Hero" and obtained excellent achievements;

In April of 2015,EILONG lubricating oil attended the national auto parts trade fair held in Wuhan,Hubei successfully;

In May of 2015,EILONG lubricating oil attended the national auto parts expo held in Kunming,Yunnan successfully.

In January 2016,"EILONG" trademark obtained "Shandong Famous Trademark";
In 2016,"EILONG" trademark was rewarded as "China Famous Brand"(judicature recognized);

In September of 2016,the company passed the affirmation of "Weifang Automobile Diesel Engine Technology Research Center";

In March of 2017,the company gained the honorary title of "Weifang Contract First,Credit First Enterprise";

In May of 2017,the company passed ISO14001:2015 environment management system certification;

In May of 2017,the company passed the OHSAS18001:2007 occupational health safety management system certification;

In August of 2017,the company passed the creation affirmation of "Safety production standardization";

In November of 2017,the company passed the ISO/TS16949 quality management system certification;

In January of 2018,the company gained the honorary title of "Excellent member unit" elected by Shandong Lubricants Industry Association;

In March of 2018,"Energy-saving environment-friendly high-end engine lubricating oil" developed by the company independently passed the project acceptance of Municipal Technology Bureau.

In March 2019,in cooperation with Academician Liu Weimin of the Chinese Academy of Sciences,an academician workstation **focusing on the research and development of high-end lubricant greases** was established;

In 2020,cooperate with Germany WASCUT to introduce advanced technology.

In April 2022,the project **Research and Industrialization of Key Technologies for Hydraulic Oils Used in High-end Equipment**,which was declared relying on the Academician Workstation,**was rated as a Shandong Major Technological Innovation Project** by the Shandong Provincial Department of Science and Technology.

In 2023,the Yilong High-end Lubricating **Materials Laboratory** was recognized as a Key Laboratory of Weifang City.

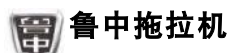
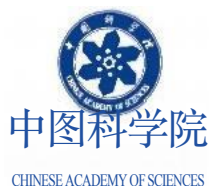
In 2024,the products were exported to more than 50 countries worldwide.

In 2025,Yilong was accredited as a Technology-based Small and Medium-sized Enterprise.

BUSINESS ACTIVITIES 企业活动



COOPERATIVE PARTNER 合作伙伴



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EILONG NAVIGATION WORLD 易龙航行

to ntinuouly crveating value
fox globaluser

持续为全球用户创造价值



PERFECT QUALITY WORLD SHARING 完美品质世界共享

易龙润滑油积极拓展经销网络，树立品牌意识，强化营销团队，以点带面、因需制宜布局全球，以为客户提供最优的润滑解决方案为使命，不断提升产品质量和服务意识。

EILONG Lubricants actively expands its distribution network, Establish brand awareness, strengthen the marketing team, expand globally based on specific needs and requirements,

Our mission is to provide customers with the best lubrication solutions, Continuously improve product quality and service awareness.

CATEGORY TABLE OF EILONG SPECIALTY OIL

易龙特种油品种类表

工业润滑油 Industrial Lubricant	名称 NAME	类别 CATEGORY	名称 NAME
	名称 NAME	类别 CATEGORY	名称 NAME
工业润滑油 Industrial Lubricant	抗磨液压油系列 Anti-wear hydraulic oil series	金属加工油液及工艺用油 Metal processing oil and process oil	6030拉伸油系列 6030 Tensile oil series
	酯型难燃液压油系列 Ester type fire-retardant hydraulic oil series		6040拉伸油系列 6040 Tensile oil series
	数控导轨油系列 Numerical control rail oil series		6021铜精密轧制油系列 6021 Copper precision rolling oil series
	主轴油系列 Main shaft oil series		6041不锈钢精密轧制油系列 6041 Stainless steel precision rolling oil series
	工业齿轮油系列 Industrial gear oil series		冷锻成型油 Cold heading forming oil
	空气压缩机油系列 Air compressor engine oil series		7010速干冲压油系列 7010 Quick drying stamping oil series
	合成空气压缩机油系列 Synthetic air compressor engine oil series		7020速干冲压油系列 7020 Quick-drying stamping oil series
	真空泵油系列 Vacuum pump oil series		7030速干冲压油系列 7030 Quick-drying stamping oil series
	合成真空泵油系列 Synthetic vacuum pump oil series		7040速干冲压油系列 7040 Quick-drying stamping oil series
金属加工油液及工艺用油 Metal processing oil and process oil	普通淬火油 Conventional quenching oil	金属加工油液及工艺用油 Metal processing oil and process oil	7021翅片冲压专用油系列 7021 Special fin stamping oil series
	淬火油系列 Quenching oil series		7022铝箔轧制专用油 7022 Special aluminum foil rolling oil
	等温分级淬火油系列 Isothermal classification quenching oil series		7023冲压油 7023 Stamping oil
	水基淬火液系列 Water-based quenching liquid series		7071高润滑性冲压油 7071 High lubricating stamping oil
	导热油系列 Heat conduction oil series	汽轮机用油 Steamturbine oil	32#汽轮机油 32#Steam turbine oil
	合成导热油系列 Synthetic heat conduction oil series		46#汽轮机油 46#Steam turbine oil
	速干防锈油系列 Quick-drying rust preventing oil series	防锈油 Rust preventive oil	32#防锈汽轮机油 32#Anti-rust steam turbine oil
	薄层防锈油系列 Thin-layer rust preventing oil series		46#防锈汽轮机油 46#Anti-rust steam turbine oil
	油性防锈油系列 Oily rust preventing oil series	主轴油 Main shaft oil	3#主轴油 3#Main shaft oil
	静电喷涂防锈油系列 Electrostatic spraying rust preventing oil series		5#主轴油 5#Main shaft oil
	硬膜防锈油系列 Dural rust preventing oil series		7#主轴油 7#Main shaft oil
	轧制液系列 Rolling liquid series		10#主轴油 10#Main shaft oil
	针织机油系列 Knitting machine oil series	压缩机油 Compressor oil	DAB100#压缩机油 DAB100#Compressor oil
	3021铜拉丝液系列 3021 Copper drawing liquid series		DAB150#压缩机油 DAB150#Compressor oil
	2021铜拉丝液系列 2021 Copper drawing Liquid series		32#喷油回转式压缩机油 32#Oil injection rotary compressor oil
	2031铜轧制液系列 2031 Copper rolling liquid series		46#喷油回转式压缩机油 46#oil injection rotary compressor oil
	乳化型拉伸油液系列 Emulsified tensile oil series		68#喷油回转式压缩机油 68#Di injection rotary compressor oil
	6010拉伸油系列 6010 Tensile oil series		螺杆式空气压缩机油 Screw air compressor oil
	6020拉伸油系列 6020 Tensile oil series		真空泵油 Vacuum pump oil

公司通过IATF16949 认证, ISO 9001认证和ISO 14001认证

类别 CATEGORY	名称 NAME	类别 CATEGORY	名称 NAME
 冷冻机油 Refrigerant oil	32#冷冻机油 32#Refrigerant oil	 变压器油 Transformer oil	10#变压器油 10#Transformer oil
	46#冷冻机油 46#Refrigerant oil		25#变压器油 25#Transformer oil
 导轨油 Rail oil	32#导轨油 32#Rail oil	 蒸汽缸油 Steam cylinder oil	45#变压器油 45#Transformer oil
	68#导轨油 68#Rail oil		11#饱和汽缸油 11#Saturated steam cylinder oil
	100#导轨油 100#Rail oil		24#饱和汽缸油 24#Saturated steam cylinder oil
	150#导轨油 150#Rail oil		38#饱和汽缸油 38#Saturated steam cylinder oil
 齿轮油 Gear oil	CKB100#工业齿轮油 CKB100#Industrial gear oil	 剑杆织机油 Rapier loom oil	52#饱和汽缸油 52#Saturated steam cylinder oil
	CKB150#工业齿轮油 CKB150#Industrial gear oil		22#剑杆织机油 22#Rapier loom oil
	CKB220#工业齿轮油 CKB220#Industrial gear oil		100#剑杆织机油 100#Rapier loom oil
	CKB320#工业齿轮油 CKB320#Industrial gear oil		150#剑杆织机油 150#Rapier loom oil
	CKB460#工业齿轮油 CKB460#Industrial gear oil	 热处理用油 Heat treating oil	220#剑杆织机油 220#Rapier loom oil
	CKC68#中负荷工业齿轮油 CKC68#Medium load industrial gear oil		680#剑杆织机油 680#Rapier loom oil
	CKC100#中负荷工业齿轮油 CKC100#Medium load industrial gear oil		普通淬火油 Conventional quenching oil
	CKC150#中负荷工业齿轮油 CKC150#Medium load industrial gear oil		快速淬火油 Fast quenching oil
	CKC220#中负荷工业齿轮油 CKC220#Medium load industrial gear oil	 导热油 Heat conduction oil	超速淬火油 Overspeed quenching oil
	CKC320#中负荷工业齿轮油 CKC320#Medium load industrial gear oil		快速光亮淬火油 Fast bright quenching oil
	CKC460#中负荷工业齿轮油 CKC460#Medium load industrial gear oil		280#高温导热油 280#High temperature heat conduction oil
	CKC680#中负荷工业齿轮油 CKC680#Medium load industrial gear oil		300#高温导热油 300#High temperature heat conduction oil
	CKD100#重负荷工业齿轮油 CKD100#Heavy load industrial gear oil	 其他用油 Other oils	320#高温导热油 320#High temperature heat conduction oil
	CKD150#重负荷工业齿轮油 CKD150#Heavy load industrial gear oil		10#航天液压油 10#Aerospace hydraulic oil
	CKD220#重负荷工业齿轮油 CKD220#Heavy load industrial gear oil		23#车轴油 23#Axle oil
	CKD320#重负荷工业齿轮油 CKD320#Heavy load industrial gear oil		44#车轴油 44#Axle oil
	CKD460#重负荷工业齿轮油 CKD460#Heavy load industrial gear oil		8#仪表油 8#Instrument oil
	CKD680#重负荷工业齿轮油 CKD680#Heavy load industrial gear oil		7#白油 7#White oil
	CKE220#蜗轮蜗杆油 CKE220#Synergy worm gear oil		10#白油 10#White oil
	CKE320#蜗轮蜗杆油 CKE320#Synergy worm gear oil		15#白油 15#White oil
	CKE460#蜗轮蜗杆油 CKE460#Synergy worm gear oil		各种润滑油脂 Various lubricant greases
	CKE680#蜗轮蜗杆油 CKE680#Synergy worm gear oil		摩托车油 Motorcycle oil