

RMM INGO SERIES/速成 INGO 系列

Industry Gear Oil 工业齿轮油

Product Description/ 产品说明

RMM Industry Gear Series are high-performance gear oils having outstanding extreme pressure characteristics and load-carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems. RMM INGO 100 is formulated from high quality base oil to provide resistance of forming, rusting, corrosion and oxidation. RMM INGO 1000 Series are permit industry gear to withstand working under heavy or shock loads. By protecting the gears, bearings and seals, RMM INGO series can improve equipment reliability and increase productivity.

速成 INGO 系列为高性能工业齿轮油，具有出色的承受重压力和重负荷的特性，适用于采用循环式或飞溅式润滑的多种类闭式齿轮传动系统。速成 INGO 使用高端添加剂和高品质基础油配方提升工业齿轮油的性能，有良好的抗腐蚀性和分水性。速成 INGO 系列特别适宜于在高负荷或冲击负荷工况下运转的齿轮组。在有助于保持齿轮箱密封完好下。该系列能提升保护齿轮、轴承和密封设备和提高生产效率。

Features and Benefits/特征与优越性及优点

- Truly multi-purpose product-wide range of application.
- Excellent EP and anti-wear Properties.
- Excellent corrosion protection.
- Excellent resistance to oil oxidation and thermal degradation.
- Excellent resistance to sludge and deposit formation.
- 多用途的广泛应用
- 出色的抗磨损保护
- 出色的抗腐蚀性
- 出色的抗氧化和热降解性能
- 优良的抗油泥和沉积形成能力

Applications/应用范围

RMM INGO 100 Series lubricants are used in a wide range of industrial and applications, especially spur, helical, bevel and worm gearing. It also included non-gear applications include shaft couplings, screws and heavily loaded plain and rolling contact bearings operating at slow speeds.

速成 INGO 100 系列润滑油适宜多种工业应用，尤其是正齿轮、斜齿轮、锥齿轮和涡轮传动。
该系列也适合用在非齿轮应用，包括联轴器、螺杆以及低速运转的高负荷滑动与滚动接触轴承。

Meet Standard Performance/标准性能达到

- US Steel 224
- David Brown S1.53.101(E)
- AGMA 9005 – D94
- DIN 51517 Part 3

Properties and Specifications/典型数据

INGO Series/系列

ISO Grade 等级	68	100	150	220	320	460	680
Kinematic Viscosity/粘度, @ 40° C, mm²/s, ASTM D445	68	100	150	220	320	460	680
Kinematic Viscosity/粘度, @ 100° C, mm²/s, ASTM D445	8.7	11.4	15	19.4	25	30.8	39.2
Viscosity Index/粘度指数, ASTM D2270	99	100	100	100	100	97	90
Density/密度 @ 15°C, g/cm³, ASTM D4052	0.887	0.891	0.898	0.900	0.902	0.905	0.910
Flash Point/闪点, Cleveland Open Cup °C, ASTM D92	230	235	240	240	245	250	250
Pour Point/倾点, °C, ASTM D97	-20	-20	-20	-18	-15	-10	-8

RMM INGO SYN SERIES /速成 INGO SYN 系列

Industry Gear Oil 合成工业齿轮油

Product Description/ 产品说明

RMM INGO SYN series are superior quality synthetic industrial gear oil designed to provide outstanding lubricant performance in terms of equipment protection, oil life and problem-free operation helping to enable increased customer productivity. INGO SYN technology to provide outstanding performance in demanding applications at high and low temperatures. INGO SYN products feature excellent low temperature properties, as well as improved air release performance in the lower viscosity grades. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity.

速成 INGO SYN 系列为高性能合成工业齿轮油，是性能卓越的齿轮与轴承润滑油，旨在设备保护、油品寿命及无故障操作等方面提供杰出服务，进而帮助客户提高生产力。该产品有在高温和低温环境下的严苛应用提供出色且均衡的表现。该系列产品具有出色的低温特性，在低黏度等级下还具有良好的空气释放性能。这些产品能够抗机械剪切，即使在高负载齿轮和高剪切轴承应用中亦是如此，因此几乎没有黏度损耗。

Features and Benefits/特征与优越性及优点

- Long oil life and performance stability
- High viscosity index
- Low traction coefficient
- Superior high temperature thermal and oxidation resistance
- 延长液压油寿命和降低油量
- 高黏度指数
- 低牵引系数
- 高温下卓越的抗高温/抗氧化性能

Applications/应用范围

RMM INGO SYN Series lubricants are used in a wide range of industrial and applications, especially spur, helical, bevel and worm gearing . It also included non-gear applications include shaft couplings, screws and heavily loaded plain and rolling contact bearings operating at slow speeds.

速成 INGO SYN 系列润滑油适宜多种工业应用，尤其是正齿轮、斜齿轮、锥齿轮和涡轮传动轴承。该系列也适合用在非齿轮应用，包括联轴器、螺杆以及低速运转的高负荷滑动与滚动接触轴承。

Meet Standard Performance/标准性能达到

- US Steel 224
- David Brown S1.53.101(E)
- AGMA 9005 – D94
- DIN 51517 Part 3

Properties and Specifications/典型数据

INGO SYN Series/系列									
ISO Grade 等级		46	68	100	150	220	320	460	680
Kinematic Viscosity/粘度, @ 40° C, mm ² /s, ASTM D445		46	68	100	150	220	320	460	680
Kinematic Viscosity/粘度, @ 100° C, mm ² /s, ASTM D445		8.5	11.6	15.3	21.1	28.5	38.5	50.7	69
Viscosity Index/粘度指数, ASTM D2270		161	165	162	166	169	172	174	181
Density/密度 @ 15°C, g/cm ³ , ASTM D4052		0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87
Flash Point/闪点, Cleveland Open Cup, °C, ASTM D92		215	220	220	220	220	225	225	225
Pour Point/倾点, °C, ASTM D97		-45	-45	-45	-43	-43	-40	-40	-40