SEAOIL INDUSTRIAL GEAR OILS

Extreme Pressure Industrial Gear Oils (ISO VG 150, 220, 320 & 460)

SEAOIL Lubricants

Product Description

SEAOIL INDUSTRIAL GEAR OILS are high-performance extreme pressure industrial gear lubricants formulated using selected base oils and advanced EP and anti-wear additive technology designed to provide reliable protection for enclosed industrial gear systems operating under severe load and demanding service conditions.

The formulations provide excellent resistance against wear, oxidation, rust, corrosion, foaming, and emulsion formation while maintaining stable lubrication performance under heavy load and elevated operating temperatures. They are engineered to support gear durability, bearing protection, and efficient operation in industrial gear systems subjected to continuous and shock-loading conditions.

SEAOIL INDUSTRIAL GEAR OILS are recommended for enclosed industrial gearboxes used in mining, construction, manufacturing, and marine applications where EP industrial gear oils meeting DIN, ISO, AGMA, and OEM performance standards are specified.

Specification and Requirements

- DIN 51517 Part III
- ISO 12925-1 CKSMP
- AGMA 9005-F16 Anti-Scuffing
- JIS K2219:2006
- David Brown S1.53.101E
- AIST 224
- Flender AS 7300

Product Sizes

☑ 200 Liters ☐ 18 Liters ☐ 4 Liters ☐ 1 Liter

22nd Floor, The Taipan Place, F. Ortigas Jr. Road,
Ortigas Center, Pasig City, Philippines
Tel. (+632) 397-1010

Main Applications



- Enclosed industrial gear systems operating under heavy load and shock-loading conditions
- Industrial gearboxes used in mining, quarrying, construction, cement, and manufacturing plants
- Gear systems operating under continuous duty and elevated operating temperatures
- Onboard marine enclosed gear systems requiring EP industrial gear lubricants
- Industrial equipment requiring ISO VG 150, 220, 320, or 460 viscosity grade gear oils

Performance Benefits

- **Excellent Extreme Pressure Protection.** Provides reliable protection against gear wear, scuffing, and metal surface fatigue under severe operating conditions.
- **High Load Carrying Capability.** Maintains durable lubricant film strength under heavy load and shock-loading service conditions.
- **Good Oxidation Stability.** Resists lubricant degradation and sludge formation during extended operation and elevated temperatures.
- **Rust and Corrosion Protection.** Protects gears, bearings, and internal metal surfaces against corrosion and rust formation.
- **Foam and Water Resistance.** Minimizes foam formation and resists emulsion formation to support stable lubrication performance and system cleanliness.

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Test Physical Characteristics

Test Parameter	Test Method	Specifications			
ISO Viscosity Grade		150	220	320	460
Appearance	Visual	Clear	Clear	Clear	Clear
Color, ASTM	ASTM D1500	<1.5	<1.5	<1.5	<1.5
Density at 15°C, kg/L	ASTM D7777	0.8800	0.8868	0.8917	0.9043
Kinematic Viscosity at 40°C, cSt	ASTM D445	141.4	219.8	308.5	455.40
Kinematic Viscosity at 100°C, cSt	ASTM D445	14.48	19.06	23.57	30.23
Viscosity Index	ASTM D2270	101	98	96	98

Health and Safety

Based on available information, this product is unlikely to produce any significant hazard on health when used for the recommended application provided in the Material Safety Data Sheet (MSDS). Guidance on Health and Safety is available on the appropriate Material Safety and Data Sheet, which can be obtained from http://www.seaoil.com.ph

Environment

Bring used oil to a permitted container and place. Do not throw it into the drain or soil.

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