GAUGE ENERGY

Industrial Lubricants & Fluids Product Catalog

Complete Industrial Portfolio with ISO Viscosity Classifications, Standard Industrial Grades, Comprehensive Usage, and Expert Recommendations.

Hydraulic & Circulating Systems

Gauge Hydraulic Anti-Wear Oil

INDUSTRIAL FLUID

Industrial Grades & ISO Classifications: Available in ISO Viscosity Grades ISO VG 32, ISO VG 46, ISO VG 68, ISO VG 100, and ISO VG 150.

Usage: Designed for heavy-duty hydraulic systems, machine tools, hydraulic presses, injection molding machines, and industrial circulation systems operating under moderate to high pressures and elevated temperatures.

Recommendations: Recommended for all industrial vane, piston, and gear pump systems. Ensure regular filtration and fluid condition monitoring to maintain system cleanliness and extend equipment service life.

Gauge Zinc-Free Hydraulic Fluid

INDUSTRIAL FLUID

Industrial Grades & ISO Classifications: Available in ISO Viscosity Grades ISO VG 32, ISO VG 46, and ISO VG 68.

Usage: Formulated for sensitive hydraulic systems containing yellow metals (bronze/copper), electro-hydraulic servo valves, and high-precision robotics operating in environmentally sensitive or high-moisture conditions.

Recommendations: Ideal where ashless and zinc-free formulations are mandated to prevent servo valve sticking, sludge formation, and thermal breakdown in bronze or copper-containing components.

Industrial Gear & Transmission Lubricants

Gauge Industrial Enclosed Gear Oil

HEAVY-DUTY GEAR OIL

Industrial Grades & ISO Classifications: Available in ISO Viscosity Grades ISO VG 150, ISO VG 220, ISO VG 320, ISO VG 460, and ISO VG 680.

Usage: Applied in heavy-duty industrial enclosed gearboxes, spur, helical, bevel, and worm gear sets operating in steel mills, cement plants, mining machinery, paper mills, and heavy conveyor drives.

Recommendations: Recommended for gear drives subjected to severe shock loads, high sliding friction, and heavy continuous loads. Provides robust micropitting and extreme pressure protection.

Gauge Open Gear & Cable Compound

OPEN GEAR LUBRICANT

Industrial Grades & ISO Classifications: Available in Light, Medium, Heavy, and Extra-Heavy grades for direct surface application.

Usage: Used on open gears, large ring gears in rotary kilns and ball mills, draglines, crane racks, wire ropes, and marine winches exposed to extreme external environments.

Recommendations: Apply via brush, immersion baths, or automatic spray systems. Offers exceptional film strength, high tackiness, and superior water wash-off resistance under harsh outdoor conditions.

Compressor & Turbine Lubricants

Gauge Rotary Screw & Reciprocating Compressor Oil

COMPRESSOR FLUID

Industrial Grades & ISO Classifications: Available in ISO Viscosity Grades ISO VG 32, ISO VG 46, ISO VG 68, and ISO VG 100.

Usage: Engineered for rotary screw, rotary vane, and multi-stage reciprocating air compressors operating across manufacturing plants, workshops, and heavy construction sites.

Recommendations: Prevents carbon deposits, varnish formation, and valve sticking on discharge ports. Recommended for continuous heavy-duty air compressors to ensure clean, reliable pneumatic power.

Gauge Steam & Gas Turbine Circulating Oil

TURBINE OIL

Industrial Grades & ISO Classifications: Available in ISO Viscosity Grades ISO VG 32, ISO VG 46, ISO VG 68, and ISO VG 100.

Usage: Utilized in steam turbines, industrial gas turbines, hydro turbines, hydraulic governor control systems, and turbo-compressor bearing lubrication.

Recommendations: Delivers rapid water separation, excellent air release properties, and superior resistance to thermal degradation and oxidation during high-speed continuous turbine operations.

Specialty Industrial Oils & Heat Transfer

Gauge Heat Transfer Fluid (Thermal Oil)

THERMAL FLUID

Industrial Grades & ISO Classifications: Available in Standard Thermal Grade and High-Temperature Synthetic Grade formulations.

Usage: Applied in closed-loop indirect heating systems across chemical processing, textile manufacturing, asphalt plants, wood processing, and food processing facilities.

Recommendations: Exceptional thermal stability, high heat capacity, and low vapor pressure at elevated operating temperatures. Recommended for systems requiring precise, uniform temperature control without high system pressures.

Gauge Transformer & Insulating Oil

ELECTRICAL FLUID

Industrial Grades & ISO Classifications: Inhibited and Uninhibited Electrical Insulating Grades.

Usage: Used in electrical power transformers, distribution transformers, switchgear, oil-filled circuit breakers, and electrical substations for electrical insulation and arc suppression.

Recommendations: High dielectric breakdown strength, low interfacial tension, and low viscosity for rapid heat dissipation. Keep strictly sealed, dry, and moisture-free during storage, handling, and operation.

Greases & Metalworking Fluids

Gauge Lithium Complex Extreme Pressure Grease

INDUSTRIAL GREASE

Industrial Grades & ISO Classifications: Available in NLGI Grades 0, 1, and 2.

Usage: Lubrication of heavy-duty industrial bearings, conveyor rollers, crushers, electric motor bearings, quarry equipment, and chassis lubrication points operating under severe shock loads.

Recommendations: Outstanding mechanical stability, high dropping point, and exceptional EP load-carrying capability. Recommended as a premier multi-purpose high-temperature industrial grease.

Gauge Moly Heavy-Duty Lithium Grease

INDUSTRIAL GREASE

Industrial Grades & ISO Classifications: Available in NLGI Grade 2 with fortified solid lubricant.

Usage: Designed for sliding surfaces, fifth wheels, construction equipment pins, bushings, bucket pins, and heavily loaded slow-speed industrial bearings.

Recommendations: Fortified with molybdenum disulfide for exceptional solid-film boundary lubrication under extreme shock loading, oscillating motion, and severe vibrating conditions.

Gauge Water-Soluble Cutting & Grinding Fluid

METALWORKING FLUID

Industrial Grades & ISO Classifications: Heavy-Duty Emulsifiable Oil and Semi-Synthetic Grades.

Usage: Applied in metal machining operations including turning, milling, drilling, tapping, reaming, and surface grinding of ferrous and non-ferrous metals.

Recommendations: Mixes readily with water to form a stable emulsion providing superior cooling, lubricity, chip flushing, and rust inhibition. Recommended for high-speed CNC machining centers and automated production lines.

Gauge Energy Co., Ltd.
Excellence in Industrial Lubrication & Energy Solutions
Engineered for Maximum Performance and Reliability