

1. CORPORATE OVERVIEW & PRODUCT PORTFOLIO

Gauge Energy Co., Ltd. (operating as **Gauge Lubricants**) was established on November 11, 2022, in Dar es Salaam, Tanzania, with North American operational offices in Pickering, Ontario, Canada. We specialize in high-performance petroleum products, advanced synthetic/mineral lubricants, greases, specialized fluids, and chemical additives engineered for automotive, commercial, industrial, marine, and mining applications.

Official Portal: www.gaugeenergy.com

2. AUTOMOTIVE & PASSENGER CAR MOTOR OILS (PCMO)

Product Line / Viscosity	API / ACEA Specification	Primary Application & Key Benefits
GAUGE SYNTHETIC 0W-20	API SP / ILSAC GF-6A	Ultra-low viscosity full synthetic for modern gasoline engines and hybrids. Maximizes fuel economy and cold-start wear protection.
GAUGE SYNTHETIC 5W-30	API SP / SN Plus / ACEA A5/B5	High-performance multi-valve gasoline and light diesel engines. Superior oxidation resistance and varnish control.
GAUGE SUPREME 15W-40	API CI-4 / SL / CH-4	Heavy-duty diesel and mixed fleet engine oil. Exceptional soot handling, deposit control, and wear prevention under severe loads.

3. HEAVY-DUTY COMMERCIAL & INDUSTRIAL DIESEL OILS (HDEO)

Product Series	Viscosity Grades	Performance Standards	Target Applications
GAUGE FLEET MASTER	10W-30, 15W-40, 20W-50	API CK-4 / CJ-4 / E9	Modern low-emission on-highway trucks and off-highway heavy equipment equipped with EGR and DPF systems.
GAUGE INDUSTRIAL MONO	SAE 30, SAE 40, SAE 50	API CF / CF-2 / SF	Stationary diesel engines, older turbocharged commercial units, marine auxiliary engines, and manual transmissions.

4. INDUSTRIAL HYDRAULIC & TRANSMISSION FLUIDS

Fluid Category	Viscosity / ISO Grades	Key Industrial Specifications	Applications
GAUGE HYDRAULIC AW	ISO VG 32, 46, 68, 100	DIN 51524 Part 2 (HLP), Denison HF-0	Industrial hydraulic presses, injection molding machines, mobile construction hydraulics, and vane/gear pumps.
GAUGE TRANSMISSION TO-4	SAE 10W, 30, 50	Caterpillar TO-4, Allison C-4	Powershift transmissions, final drives, wet disc brakes, and torque converters in heavy earthmoving machinery.

5. AUTOMOTIVE GEAR OILS & TRANSMISSION FLUIDS

Product Name	Specification / Rating	Description & Usage
GAUGE GEAR LUBE EP	SAE 80W-90, 85W-140 (API GL-5)	Extreme-pressure gear oil for hypoid axles, differentials, steering gears, and manual gearboxes operating under high shock loads.
GAUGE ATF DEX/MERC	Dexron III-H / Mercon	Automatic transmission fluid for traditional step-type automatic gearboxes, power steering units, and hydraulic control systems.

6. SPECIALTY GREASES, BRAKE FLUIDS & ADDITIVES

Product Name	Base / Grade	Key Features & Applications
GAUGE LITHIUM GREASE EP	NLGI 2 / NLGI 3 (Lithium 12-hydroxystearate)	Multi-purpose extreme pressure grease for automotive chassis bearings, conveyor rollers, and heavy industrial machinery pivots.
GAUGE BRAKE FLUID DOT 4	Glycol Ether / Borate Ester (ERBP > 230°C)	High-performance hydraulic brake and clutch fluid meeting FMVSS No. 116, ISO 4925, and SAE J1704 for superior vapor lock protection.
GAUGE E-FLUIDS & ADDITIVES	Specialty EV & Fuel Boosters	Next-generation thermal management fluids for electric vehicles, plus Octane Boosters and 300ml Dual Fuel Injector Cleaners.

7. VISCOSITY SELECTION & OPERATIONAL GUIDELINES

Understanding Viscosity (SAE / ISO): Viscosity dictates oil flow resistance under varying temperatures. Lower numbers (e.g., 0W, 5W) ensure rapid cold-cranking protection during winter or early morning startups, while higher operational numbers (e.g., 30, 40, 50) maintain robust oil film thickness under extreme operating temperatures and heavy industrial loads.

Maintenance & Drain Intervals: Always follow original equipment manufacturer (OEM) specifications. Regular oil analysis is recommended for heavy-duty commercial fleets and industrial hydraulic systems to maximize equipment uptime and component longevity.