

Heavy-Duty Vehicle Gear Oil Series

Product reference: CYYY-30

Vehicle gear lubricants with separate source sheets for Lerun GL-5 and heavy-duty vehicle gear oil.

PetroNexus Heavy-Duty Vehicle Gear Oil API GL-5

Product name

Heavy-Duty Vehicle Gear Oil

Viscosity / grade

API GL-5. SAE viscosity grades: 80W-90, 85W-90, 85W-140. Standard references: GB13895-2018 and API GL-5.

Product overview

PetroNexus Heavy-Duty Vehicle Gear Oil is a premium heavy-duty automotive gear lubricant blended from refined base oils and imported extreme-pressure additives. Its outstanding oxidation resistance and rust and corrosion protection meet the operating requirements of automotive transmissions and axle drives, providing reliable protection for gear components.

Performance features

1. Good low-temperature fluidity supports easy starting.
2. Excellent rust and corrosion protection reduces component wear.
3. Strong oxidation stability extends gear service intervals.
4. Good antifoam properties maintain effective oil-film lubrication.
5. Excellent seal compatibility reduces leakage and contamination.

Applications

- Heavy-duty non-synchronized manual transmissions, axles and drive axles requiring API GL-5 quality oil.
- On-road passenger vehicles, light and heavy trucks, buses and vans.
- Off-highway construction, mining and agricultural equipment.
- Other heavy-duty hypoid gears operating under severe conditions, such as high-speed/shock loading, high-speed/low-torque and/or low-speed/high-torque service.
- Not suitable for automatic transmissions.

Packaging

170 kg drums; IBC containers

Unsuitable applications

- Do not use in automatic transmissions (AT). Not suitable for certain light-duty manual transmissions requiring GL-4. Do not use as hydraulic oil or engine oil.

For grade selection, technical requirements, packaging and commercial terms, contact sales@petronexusgroup.com.

Product visual and technical data



PETRONEXUS

HEAVY-DUTY AUTOMOTIVE GEAR OIL

API GL-5
SAE 80W-90 / 85W-90 / 85W-140

EXTREME PROTECTION | RELIABLE PERFORMANCE | WIDE TEMPERATURE RANGE | FOR HEAVY-DUTY APPLICATIONS

PRODUCT OVERVIEW

PETRONEXUS Heavy-Duty Automotive Gear Oil is a premium gear lubricant formulated for heavy-duty drive axles and final drives that require API GL-5 performance.

It provides extreme-pressure protection, helping to resist wear, rust, corrosion and oxidation, keeping gear sets operating reliably under heavy loads and severe service conditions.



EXTREME-PRESSURE PROTECTION

HIGH LOAD-CARRYING CAPACITY | SUPERIOR WEAR CONTROL | RELIABLE LUBRICATION PERFORMANCE

PRODUCT PERFORMANCE

- WEAR PROTECTION**
Helps protect gear surfaces under heavy loads.
- OXIDATION STABILITY**
Resists oil degradation for extended service life.
- RUST & CORROSION PROTECTION**
Helps prevent rust and corrosion, even in harsh operating conditions.
- FOAM CONTROL**
Maintains a stable oil film for reliable lubrication.
- SEAL COMPATIBILITY**
Compatible with commonly used seals and helps minimize oil leakage.

APPLICATIONS



COMMERCIAL VEHICLES

- Heavy-duty trucks
- Buses and coaches
- Light-duty trucks and vans



CONSTRUCTION, MINING & AGRICULTURAL EQUIPMENT

- Construction machinery
- Mining equipment
- Agricultural machinery



DRIVE AXLES & FINAL DRIVES

- Heavy-duty drive axles
- Differentials
- Industrial gear assemblies

SPECIFICATIONS & USE

Product Type	Heavy-Duty Automotive Gear Oil
Performance Specification	API GL-5
Available Grades	SAE 80W-90 / 85W-90 / 85W-140
Suitable For	Heavy-duty drive axles, final drives and other gear applications requiring API GL-5
Main Benefits	Extreme-pressure protection, wear control, rust and corrosion resistance, oxidation stability
Use Advice	Use according to equipment manufacturer recommendations.

- Not for automatic transmissions.
- For synchronized manual transmissions, use only where API GL-5 is expressly specified or approved by the equipment manufacturer.

TYPICAL DATA

Test Item	Test Method	80W-90	85W-90	85W-140
Kinematic viscosity at 100°C, cSt	ASTM D 445	16.5	17.3	28.0
Viscosity index	ASTM D 2270	101	99	97
Flash point, °C	ASTM D 92	210	226	230
Pour point, °C	ASTM D 97	-27	-18	-18
Density at 20°C, kg/L	ASTM D 1298	0.889	0.891	0.901
Rust test	ASTM D665 A/B	Pass	Pass	Pass

Typical values; not a product specification.

AVAILABLE PACKAGING



RELIABLE SUPPLY FOR GLOBAL MARKETS



PETRONEXUS

RELIABLE LUBRICATION. GLOBAL SUPPLY.

DURABILITY | EFFICIENCY | PROTECTION | GLOBAL SUPPLY