



ENEOS 80W90 GL-5

PREMIUM GEAR OIL

Material Code: EMA1702

ENEOS 80W90 GL-5 Premium Gear Oil is a high-performance Gear Oil designed to provide excellent lubrication in a wide range of automotive transmissions, axles and final drives. It is formulated from high quality base stocks and balanced extreme pressure additives to protect gear components in applications where extreme pressures and shock loading are encountered. It offers effective protection against oxidation degradation and rust & corrosion. It meets the requirements of API GL-5 and US MIL-L-2105D.

❖ **SPECIAL FEATURES.**

1. Superior oxidation and thermal stability
2. This Oil shows a superior oxidation and thermal stability and has a good resistance against foaming. Even at higher temperatures an effective lubricating film thickness assures proper lubrication.
3. Excellent Resistance for Wear, Corrosion, Foaming and Oxidation
4. This Oil shows an excellent resistance against wear, corrosion and foaming as well as oxidation and ageing at elevated temperatures.
5. Excellent Extreme Pressure Properties shields against wear under different operating conditions leading to enhanced equipment durability and lower maintenance costs.
6. Good low temperature fluidity reduces wear and enables easy start-up under low ambient temperatures.
7. Good anti-foam properties ensure film strength for effective lubrication.
8. Excellent seal compatibility helps minimise leakages and reduce chances of contamination.

❖ **PACK SIZE.**

4L, 208L

❖ **PERFORMANCE LEVEL**

API GL-5
US MIL-L-2105D

❖ **APPLICATIONS.**

- Heavy duty non-synchronized manual transmission, axles and final drives where API GL-5 quality oils are specified.
- On road passengers' cars, light and heavy-duty trucks, buses and vans.
- Off – Highway equipment in construction, mining & agriculture.
- Other heavy-Duty application involving hypoid and other gears operating under severe conditions like, high speed/shock load, high speed/low torque and/or low speed/high torque.
- Not suitable for automatic transmissions.

❖ **TYPICAL PROPERTIES.**

SAE Viscosity Grade Quality Grade	80W-90 GL-5
Density (15°C), g/cm ³	0.894
Flash Point (COC), °C	210
Kinematic Viscosity (100°C), mm ² /s	16.00
Viscosity Index	101
Pour Point, °C	-27

Note: The Typical Properties may be changed without notice.



Handling Precautions

▼ Follow these precautions when handling this product.

Classification of the substance or preparation :	Not a dangerous preparation according to 1999/45/EC.
Most important adverse :	No adverse hazards.
Most important adverse human health effects :	None under normal conditions.
Precautionary Statements : Prevention	No naked lights. No smoking. Keep away from sources of ignition. Handle in accordance with good industrial hygiene and safety procedures.
Response	After inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists. After contact with skin : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops. After contact with eyes : Rinse immediately with plenty of water. Seek medical attention if irritation develops. After ingestion : DO NOT INDUCE VOMITING. Seek medical attention immediately. Other Information : If there is any suspicion of aspiration into the lungs either directly or as a result of vomiting, obtain medical advice.
Storage	Keep container closed when not in use. Keep at temperature not exceeding 45°C. Keep only in the original container in a cool, well ventilated place.
Disposal	Waste disposal : S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets. Dispose in a safe manner in accordance with local/national regulations. Waste-disposal procedures : See Directive 2001/118/EC Industrial waste number (EURAL) : 13 02 05 - mineral-based non-chlorinated engine, gear and lubricating oils. Contaminated packaging : Do not attempt to refill or clean containers without proper instructions. Do not cut , pressurise, weld, braze, solder, drill, grind or expose such containers to the heat, flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.