

# SUPER HYPOID GEAR OIL

## 80W-90 GL-4



### PRODUCT DESCRIPTION

TOTACHI Super Hypoid Gear Oil 80W-90 GL-4 is semi synthetic oil, designed to provide highly effective protection of automotive transmissions, operating under high loads in different climate conditions.

The product is manufactured using the mixture of highly purified mineral and synthetic base stocks (PAO) in combination with proven anti wear additive package. TOTACHI Super Hypoid Gear Oil is characterized with outstanding thermal and oxidative stability, provides lubrication and reliable protection in conditions with high loads and medium speed of slide in gearing. TOTACHI Super Hypoid Gear Oil has good compatibility with different seals and gaskets materials, used in transmissions.

### APPLICATION

- The product is designed for all-season application in highly loaded transmission systems of automotive vehicles: manual gearboxes, transfer cases and gear systems, drive axles and final drives, which require API GL-4 type gear oils.
- The product is suitable for highly effective service of vehicles in severe climate conditions. The oil features good fluidity at low temperatures and contributes to clear gear shift.

### TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	ASTM
SAE Grade		<b>80W-90</b>	
Kinematic viscosity at:			
40 °C	cSt	91,90	ASTM D445
100 °C	cSt	14,12	ASTM D445
Flash point	°C	216	ASTM D92
Pour point	°C	-42	ASTM D97
Density at 30 °C	kg/l	0,8520	ASTM D4052
Viscosity index		158	ASTM D2270
Color		L1,0	ASTM D1500

### CUSTOMER BENEFITS

- The balanced formulation and stable mixture of mineral and synthetic base stocks possess high thermal and oxidation stability. The product forms shear-stable oil film in operations at extremely high loads and increased working temperature.
- The product contributes to extending transmission durability. Highly effective Extreme Pressure additives consistently protect system against wear and extend service life of highly loaded gear and bearing teeth.
- The balanced formulation of TOTACHI Super Hypoid Gear Oil contains sulfur phosphorous EP additives with low level of adverse effect on non-ferrous metal alloys and seal materials. The product provides reliable performance of transmissions, including synchromesh gearboxes, in intensive duty cycles with extended service intervals.

### MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API GL-4

Before using this product make sure, it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices

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### **STORAGE AND HANDLING GUIDELINES**

- Avoid exposing products to direct sunlight.
- Cans, packed in cardboard boxes, must be stored in dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors on pallets and racks.
- If stored outdoors drums should be placed sidewise to avoid accumulation of moisture.

Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.

### **HEALTH, SAFETY AND ENVIRONMENT PROTECTION**

Information on health, safety and environment protection is described in the product Safety Data