

### PRODUCT DESCRIPTION

Extra Synblend Gear 80W-90 is a semi synthetic high-performance gear oil recommended for axles with spiral bevel gears operating under moderate to severe conditions of speed and load or axles with hypoid gears operating under moderate speeds and loads where API GL-4 gear oil is required. Its extreme pressure component guarantees protection of hypoid and gears against scuffing, scoring and wear. Thermally stable to control deposits formation and oil thickening maintaining good gear oil and transmission performance.

### APPLICATION

Recommended for all season application in a highly loaded transmission systems of automotive vehicles: manual gearboxes, transfer cases and gear systems, drive axles and final drives requiring API GL-4 gear oil. Can be used for non-synchronized manual transmissions of trucks, buses and trailers. For passenger cars, light duty vehicle, off-highway, on-highway and other industrial applications operating under moderate to severe conditions. The product is suitable for highly effective service of vehicles in severe climate conditions.

### WARRANTY

Extra Synblend Gear 80W-90 meets or exceeds the OEM's warranty requirements of vehicles and industrial machineries where API GL-4 gear oil is required.

### TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
SAE Grade	-	80W-90	SAE J306
Kinematic viscosity at:			
40 °C	cSt	136.00	ASTM D445
100 °C	cSt	14.94	ASTM D445
Viscosity index	-	111	ASTM D2270
Color	-	L2.0	ASTM D1500
Flash point	°C	230	ASTM D92
Pour point	°C	-36	ASTM D6892

TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

### CUSTOMER BENEFITS

- Durable Gearbox Life**  
 Extreme pressure properties protect hypoid and other types of gears from scuffing and wear. Excellent rust, staining, and corrosion protection. Excellent thermal stability and resistance to high temperature oxidation.
- Reduced Wear**  
 Good low temperature lubrication to minimize wear during engine start-up and promotes easy start-up.
- Smooth Gear Shifts**  
 The oil features good fluidity at low temperatures and contributes to smoother gear shifts.

### MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API GL-4

Suitable for use in various OEMs for axles with spiral bevel gears operating under moderate to severe conditions of speed and load or axles with hypoid gears operating under moderate speeds and loads requiring API GL-4.

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

Density at 30 °C	kg/L	0.8713	ASTM D4052
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***STORAGE AND HANDLING GUIDELINES***

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

***HEALTH, SAFETY & ENVIRONMENT PROTECTION***

Information on health, safety and environment protection is described in the product Safety Data 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<sup>®</sup> distributor.