

PRODUCT DESCRIPTION

Ultima Syn Gear 75W-90 is a premium fully synthetic gear oil for use in manual transmissions and rear axles operating under moderate to severe service conditions over wide range of temperatures, where API GL-4 gear oil is required. Provides protection against the combination of thermal degradation, component wear and oil-seal deterioration. Ensures excellent protection of the gears against metal-to-metal contact under the most severe conditions, including shock loads. With extreme pressure (EP) component to deliver optimum wear protection of the gear system. Outstanding load carrying capacity, anti-foam performance and corrosion protection.

APPLICATION

Recommended for manual gearboxes, 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. For passenger cars, vans, CUVs, SUVs, light commercial vehicles, 4WDs, buses, trucks, construction machineries, agricultural equipment, and other applications requiring API GL-4 specifications.

This product is not suitable for use in Limited Slip Differentials (LSD) system.

WARRANTY

Ultima Syn Gear 75W-90 meets or exceeds the OEM's warranty requirements of 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 oil is required. TOTACHI[®] guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- **Durable Gearbox System**
Excellent extreme pressure (EP) performance to effectively protect gears from wear and pitting, preventing premature failure and prolonging the equipment life.
- **Reliable Drive**
Reduces friction losses in the drive train and ensures optimal lubrication over wide temperature range for an efficient and high-performance drive.
- **Seal Protection**
Formulated to protect against oil seal deterioration. Compatible with typical automotive seals and gaskets. Minimum leakage and reduced contamination.
- **Extended Drains**
Designed for extended drain (450 000 km) of up to three times longer than standard mineral oils in heavy-duty final drives and differentials.
- **Fuel Efficiency**
Up to 3% proven fuel economy improvement compared to conventional gear oils when Ultima Syn Gear 75W-90 is used in transmissions.

MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API GL-4

Suitable for use in various OEMs such as Ford, Hyundai, Kia, Holden, Mazda, Mitsubishi, Suzuki, Toyota and other makers where 75W-90 API GL-4 gear oil is required.

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

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
SAE Grade	-	75W-90	SAE J306
Kinematic viscosity at:			
40 °C	cSt	86.33	ASTM D445
100 °C	cSt	15.68	ASTM D445
Viscosity index	-	194	ASTM D2270
Color	-	L0.5	ASTM D1500
Flash point	°C	214	ASTM D92
Pour point	°C	-42	ASTM D6892
Density at 30 °C	kg/L	0.8573	ASTM D4052

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[®] distributor.