

### **PRODUCT DESCRIPTION**

Ultima Syn Gear 75W-85 is a high performance fully synthetic API GL-5 gear oil for use in all mechanical transmission, synchronized or non-synchronized gearboxes, differentials and transfer boxes without LSD (limited slip differential) operating under shocks, moderate loads and high revolution speed and heavy loads and low revolution speed. Suitable for use in colder climates to improve gear shift quality where either SAE 75W-90 or SAE 80 API GL-5 is specified. The extreme pressure (EP) properties protect hypoid and gears from scuffing and wear. Good rust and oxidation inhibitors to maintain gear components life under a wider variety of operating conditions. Reduces gearbox drag contributing to fuel efficiency and smoother gear shifts.

### **APPLICATION**

Recommended for mechanical transmission, synchronized or non-synchronized gearboxes, differentials, and transfer boxes without LSD (limited slip differential). For modern passenger cars, vans, CUVs, SUVs requiring a 75W-85 API GL-5 specifications.

### **WARRANTY**

Ultima Syn-Gear 75W-85 GL-5 meets or exceeds the OEM's warranty requirements of manual transmissions where API GL-5 oil is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

### **CUSTOMER BENEFITS**

- **Prolongs Equipment Life**  
High lubricating power to effectively reduce friction and wear. Excellent rust and corrosion protection. Thermally stable even at high temperatures. A complete package for a reliable and lasting gear life.
- **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 lubricants when Ultima Syn Gear 75W-85 is used.
- **Smooth Gear Shifts**  
Good low temperature fluidity to allow easier gear shifts which contributes to component protection across a wide temperature range.

### **MEETS SPECIFICATIONS & REQUIREMENTS OF:**

- API GL-5

Suitable for use in various OEMs requiring a 75W-85 gear oil. For Toyota, GM, Hyundai, Kia, Mercedes-Benz, Mitsubishi, Nissan, Opel, Saab, Suzuki, BMW, Dodge, Ford, Jeep, Lexus, and other makers where 75W-85 API GL-5 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-85	SAE J306
Kinematic viscosity at:			
40 °C	cSt	64.14	ASTM D445
100 °C	cSt	12.33	ASTM D445
Viscosity index	-	194	ASTM D2270
Color	-	L0.5	ASTM D1500
Flash point	°C	204	ASTM D92
Pour point	°C	-45	ASTM D6892
Density at 30 °C	kg/L	0.8554	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<sup>®</sup> distributor.