

### PRODUCT DESCRIPTION

Ultima Ecodrive F 5W-30 is a high performance fully synthetic (PAO+ESTER) engine oil formulated for use in modern gasoline and diesel engines, requiring an API SN/CF or ILSAC GF-5 engine oil. It is a synthetic energy conserving premium engine oil, designed for modern four- cycle gasoline and diesel engines of passenger cars and light commercial trucks, equipped with exhaust catalytic reduction systems (TWC), help to deliver outstanding performance and protection in conjunction with fuel economy performance. Provides outstanding protection for grueling stop-and-go driving.



Ultima Ecodrive F 5W-30 is enhanced with unique anti-friction technology, ZFM™ (Zero Friction Molecular), to considerably reduce friction and wear of highly loaded engine parts that are exposed to intensive duty cycles and high operating temperatures. Keeps engine clean and effectively prevents varnish formation, making it a perfect choice for all driving conditions.

### APPLICATION

Provides broad range of engine protection for most modern passenger car and light duty diesel applications ranging from SUVs, luxury and high-performance vehicles. It has been specifically formulated to meet the most demanding needs of the modern model European cars.

### WARRANTY

ULTIMA ECODRIVE F 5W-30 meets or exceeds the OEM's warranty requirements of gasoline & light duty diesel vehicles where API SN/CF or ILSAC GF-5 oil is required, respectively. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

### CUSTOMER BENEFITS

- **Promotes long engine life**  
Improved anti-oxidation properties and excellent oil film stability to provide reliable protection of modern high-speed engines.
- **Easy cold weather starting**  
Due to Excellent low temperature properties of the synthetic base oils.
- **Superior Formulation**  
Offers superior formulating technology using select synthetic base oils and advanced additive package.
- **Fuel Economy**  
Helps to improve fuel economy and can increase engine efficiency.



### MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API SN/CF, Resource Conserving
- ILSAC GF-5
- TOYOTA / LEXUS / INFINITI/ NISSAN /HONDA/ ACURA /MITSUBISHI / SUBARU/ MAZDA /SUZUKI
- HYUNDAI / KIA / GENESIS

Suitable for use in various OEMs such as TOYOTA, LEXUS, DAIHATSU, INFINITI, ACURA, HONDA, MITSUBISHI, MAZDA, SUBARU, SUZUKI, ISUZU, HYUNDAI, KIA, GENESIS, RAVON, DAEWOO, HAVAL, BRILLIANCE, DONGFENG, LUXGEN, BYD, FAW, HAVAL, CHANGAN, GEELY, JAC, CHERY, GREAT WALL, LIFAN, and others requiring an API SN/CF or ILSAC GF-5.

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	-	5W-30	SAE J300
Kinematic viscosity at:			
40 °C	cSt	60.97	ASTM D445
100 °C	cSt	10.79	ASTM D445
Viscosity index	-	170	ASTM D2270
Cranking viscosity at -30°C	mPa-s	4521	ASTM D5293
Color	-	L2.0	ASTM D1500
Flash point	°C	232	ASTM D92
Pour point	°C	-45	ASTM D97
Density at 30 °C	kg/L	0.8495	ASTM D4052
Total Base Number	mg KOH/g	7.18	ASTM D2896

### 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.