

ULTIMA ECODRIVE L

5W-30

PRODUCT DESCRIPTION

Fully synthetic premium engine oil for modern four cycle gasoline and diesel engines of passenger cars and light commercial trucks, equipped with modern emission control systems. TOTACHI Ultima EcoDrive L is manufactured using unique patented antifriction ZFM™



Technology and specially selected synthetic base stocks (PAO + esters) with high viscosity index and outstanding oxidation stability. The product maintains optimal engine cleanliness, prevents buildup of varnish,

soot and low temperature deposits. All these guarantee minimized wear, extended durability and outstanding performance of most advanced high-tech engines.

APPLICATION

- TOTACHI Ultima EcoDrive L is recommended for passenger cars and commercial vehicles, operating with extended service intervals and especially in severe urban conditions, where “stop-and-go” driving cycles are typical.
- The product is a perfect choice for vehicles, operating in very cold ambient temperatures, where traditional oils are unsuitable due to the flow rate loss.
- TOTACHI Ultima EcoDrive L is suitable for use in outdated engines with previous service categories API SM/ SL.

CUSTOMER BENEFITS

- The use of ZFM™ antifriction technology effectively minimizes wear of parts, working under boundary lubrication, and contributes to engine durability extension.
- The product’s balanced formulation possesses high stability and outstanding engine protection performances, thus allowing increased reliability under extreme loads.
- The product meets requirements to “Low SAPS” in sulfur, phosphorous and sulfated ash limits, which is necessary for long service life of three way catalytic converters (TWC).
- The product contributes to lower emission, which is mandatory for compliance with the latest stringent environmental requirements.



MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API SN/CF;
- ACEA C3;
- GM dexos2;
- BMW LL-04;
- MB 229.31/229.51;
- VW 502.00/505.00.

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

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	ASTM
SAE Grade		5W-30	
Kinematic viscosity at:			
40 °C	cSt	67,77	ASTM 445
100 °C	cSt	11,71	ASTM 445
Flash point	°C	224	ASTM D92
Pour point	°C	-39	ASTM D97
Density at 30 °C	Kg/l	0,8530	ASTM D4052
Dynamic viscosity at -30°C, CCS	cPs	5261	ASTM D5293
Total Base Number, TBN	mg KOH/g	7,76	ASTM D2896
Viscosity index		169	ASTM D2270
Color		L 2,5	ASTM D1500

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.

HEALTH, SAFETY AND 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.