

# ECO GASOLINE

## 5W-30

### PRODUCT DESCRIPTION

Resource conserving semi synthetic engine oil for use in modern four cycle diesel and gasoline engines of passenger cars and commercial vehicles, which require engine oils with the low level of high-temperature viscosity (HTHS  $\geq$  2,9 cSt).



The product is manufactured using the unique patented antifriction technology ZFM™ from mineral and synthetic (PAO) base oils, possessing a high viscosity index and excellent antioxidizing stability. TOTACHI ECO GASOLINE 5W-30 maintains optimal engine cleanliness, effectively prevents formation of varnish, burnout and low-temperature deposits that guarantees minimized wear and extends service life of the latest hi-tech engines.

### APPLICATION

- TOTACHI ECO GASOLINE 5W-30 is recommended for passenger cars and commercial vehicles, operating with the increased service intervals and, especially, in operation in severe urban conditions where "stop-and-go" cycles are typical.
- The product is perfectly suitable for operation of cars in severe winter conditions when application of conventional mineral oils is not obviously possible because of fluidity loss.
- The product can be used in engines with older manufacturing technologies and requirements of previous Service Categories API SL/SH.

### TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	ASTM
SAE Grade		5W-30	
Kinematic viscosity at:		69,08	ASTM 445
40 °C	cSt	11,45	ASTM 445
100 °C	cSt		
Flash point	°C	236	ASTM D92
Pour point	°C	-42	ASTM D97
Density at 30 °C	Kg/l	0,8510	ASTM D4052
Dynamic viscosity at -35°C, CCS	cPs	5273	ASTM D5293
Total Base Number, TBN	mgKON/g	6,86	ASTM D2896
Viscosity index		160	ASTM D2270
Color		L3,0	ASTM D1500

### CUSTOMER BENEFITS

- The use of ZFM™ antifriction technology effectively reduces wear of parts operating under boundary lubrication and allows to maximize engine durability.
- The balanced formulation of TOTACHI ECO GASOLINE 5W-30 has high stability and excellent antioxidizing properties that allows to establish extended oil drain intervals.
- TOTACHI ECO GASOLINE 5W-30 meets requirements to "Low SAPS" oils in terms of sulfur, phosphorous and sulfated ash limits, which are essential for long life of three way catalytic converters (TWCs).
- The product provides up to 2,5 % fuel economy and lower emission, that completely meets stringent environmental requirements.



### MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API SM/CF, Energy Conserving;
- ACEA A5/B5;
- ILSAC GF-4.

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

### **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.