

FINE GASOLINE

10W-30

PRODUCT DESCRIPTION

TOTACHI Fine Gasoline 10W-30 is all-weather resource conserving engine oil for passenger cars and commercial vehicles, operating with extended service intervals in various climate conditions.

The product is made using the unique patented ZFM™ antifriction technology and base oils with high viscosity index and excellent antioxidative stability. TOTACHI Fine Gasoline 10W-30 ensures high strength of oil film at high-speed shear and reliably protects critical parts at high operating temperatures. Due to the highly effective additives package the product maintains engine cleanliness, minimizes formation of varnish, deposits and sludge, thus contributing to maximum durability of hi-tech engines.



APPLICATION

- The product is designed for hi-tech four cycle gasoline and diesel engines, which require energy conserving engine oils with low level of high-temperature viscosity (HTHS \geq 2,9 cSt).
- Excellent fluidity and low-temperature pumpability of oil offer easy cold starts in winter season.
- TOTACHI Fine Gasoline 10W-30 can be applied in older engines with previous Service Categories API SL/SJ.

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	ASTM
SAE Grade		10W-30	
Kinematic viscosity at:			
40 °C	cSt	74,01	ASTM 445
100 °C	cSt	11,11	ASTM 445
Flash point	°C	228	ASTM D92
Pour point	°C	-39	ASTM D97
Density at 30 °C	Kg/l	0,8590	ASTM D4052
Dynamic viscosity at -20 °C, CCS	cPs	6080	ASTM D5293
Total Base Number, TBN	mgKOH/g	6,85	ASTM D2896
Viscosity index		140	ASTM D2270
Color		L3,0	ASTM D1500

CUSTOMER BENEFITS

- Due to the use of ZFM™ antifriction technology TOTACHI Fine Gasoline 10W-30 effectively reduces wear of parts, working under boundary lubrication, and provides maximized engine durability.
- Excellent fluidity and pumpability of oil provide easy cold starts in winter.
- The product meets demands to "Low SAPS" type oils in terms of sulfur, phosphorus and sulphated ash levels that is necessary for providing long service life of three way catalytic reduction systems (TWCs).
- TOTACHI Fine Gasoline 10W-30 contributes to decrease of fuel consumption up to 2.0 % and decrease of emission, thus fully meeting stringent demands of environmental standards.



MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API SM/CF;
- ACEA C3;
- 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.

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