

PREMIUM DIESEL

5W-40

PRODUCT DESCRIPTION

Fully synthetic premium engine oil for modern environment four cycle diesel engines that require "Low SAPS" type oils with limited level of sulfur, phosphorous and ash.



TOTACHI PREMIUM DIESEL 5W-40 is manufactured using the unique patented antifriction ZFM Technology and synthetic base stocks (PAO) with high stability and high viscosity index. The product provides outstanding detergent and dispersant characteristics, thus maintaining optimal engine cleanliness and reduces wear of loaded parts. effectively prevents formation of varnish, burnout and low temperature deposits. The product is fully compatible with diesel particulate filters (DPF) and selective catalytic reduction systems (SCR).

APPLICATION

- TOTACHI PREMIUM DIESEL 5W-40 is recommended for high loaded engines of commercial vehicles and special purpose applications in severe operating conditions with extremely high loads, when engine oil has no time to cool.
- TOTACHI PREMIUM DIESEL 5W-40 is a perfect choice for mixed fleets, including gasoline engines with older technology standards that require engine oils with previous Service Categories API SL/SH.

CUSTOMER BENEFITS

- The use of ZFM™ antifriction technology effectively reduces wear under boundary lubrication and contributes to service life extension.
- The product's balanced formulation features high stability and outstanding antioxidizing characteristics, thus providing opportunity to establish extended service intervals.
- TOTACHI PREMIUM DIESEL 5W-40 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).



MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API CJ-4/SM
- ACEAA3/B4/E9
- JASO DH-2
- MAN 3277
- MB 228.31
- RVI RLD-3
- Volvo VDS-4

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-40	
Kinematic viscosity at:			
40 °C	cSt	94,52	ASTM 445
100 °C	cSt	15,31	ASTM 445
Flash point	°C	232	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	6197	ASTM D5293
Total Base Number, TBN	mgKON/g	10,55	ASTM D2896
Viscosity index		171	ASTM D2270
Color		L3,5	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.

instructions and warnings or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.

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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