



# TAKAYAMA



## Motor oil TAKAYAMA DIESEL SAE 10W-40

<b>Description</b>	Semi-synthetic engine oil designed specifically for use in modern diesel engines operating under high loads. Suitable for use in gasoline engines of cars and trucks. It has excellent antiwear and antioxidant properties. It provides enhanced engine protection against deposits and sludge thanks to a modern additive package and high-tech base oils.
<b>Specifications</b>	API CI-4/SL; ACEA E7; MB 228.3; MAN 3275; VOLVO VDS-3; RENAULT RLD-2; MACK EO-M PLUS; CES 20076/20077; CAT ECF-1A; DEUTZ DQC-III; MTU 2.0
<b>Bottling types</b>	20L, 200L
<b>User's manual</b>	To be used in line with recommendations by motor vehicles manufacturer.
<b>Safety</b>	Handle with care. Combustible liquid. Hold away from ignition sources. Can lead to eyes and skin irritation. Use PPE, when operating with product. Avoid oil contact with skin and eyes. After contact, thoroughly wash. Hands with soap. Keep away from children and animals.
<b>Ecology and disposal</b>	Prevent oil ingress to soil, water and sewage. Dispose to specially allotted places.
<b>Warranty</b>	Guaranteed storage term of TAKAYAMA engine and transmission oils: 5 years from manufacturing date at manufacturer's plant, in manufacturer's tare.
<b>Storage</b>	To be stored in factory package on racks, trays and stacks in closed storage facilities or under shed in well ventilated places protected from direct sunlight and atmospheric precipitations, away from ignition sources. Tare shall be installed caps up.

## Physicochemical characteristics

NAME OF CHARACTERISTIC	METHOD	VALUE
Density at 15 ° C, g / cm <sup>2</sup>	ASTM D4052	0,8710
Kinematic viscosity at 100 ° C, mm <sup>2</sup> / s	ASTM D445	14,60
Kinematic viscosity at 40 ° C, mm <sup>2</sup> / s	ASTM D445	105,9
Viscosity index	ASTM D2270	157
Dynamic viscosity CCS at - 25 ° C, MPa * s, not more than	ASTM D5293	6280
Alkaline number, mg KOH / g, not less	ASTM D2896	10,6
Noack volatility,% no more	ASTM D5800	10,2
Flash point, ° C, not lower	ASTM D92	221
Pour point, ° C, not higher	ASTM D97	- 36

Presented properties are typical for the current products. Due to ongoing research and development, the information contained in this document can be changed.



**Manufacturer:**  
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