



# TAKAYAMA



## Motor oil TAKAYAMA DIESEL SAE 15W-40

<b>Description</b>	Mineral engine oil, recommended for use in high-power diesel engines of trucks and off-road vehicles has effective detergent dispersant properties. It prevents the formation of deposits during engine operation at maximum loads. The oil is recommended for all-weather use.
<b>Specifications</b>	API CI-4/ SL; ACEA E7; ACEA A3/B4; MB 228.3; MAN 3275; VOLVO VDS-3; RENAULT RLD-2; MACK EO-N; CES 20077/20078; 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	0,8790
Kinematic viscosity at 100 ° C, mm <sup>2</sup> / s	ASTM D445	14,40
Kinematic viscosity at 40 ° C, mm <sup>2</sup> / s	ASTM D445	106,4
Viscosity index	ASTM D2270	136
Dynamic viscosity CCS at - 25 ° C, MPa * s, not more than	ASTM D5293	4800
Alkaline number, mg KOH / g, not less	ASTM D2896	11,2
Noack volatility,% , no more	ASTM D5800	10,6
Flash point, ° C, not lower	ASTM D92	232
Pour point, ° C, not higher	ASTM D97	- 30

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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