



# TAKAYAMA

## ENGINE OIL TAKAYAMA SAE 10W-40

### Description

TAKAYAMA SAE 10W-40 is modern semi-synthetic engine oil with unique additives composition to provide stable motor operation. Thanks to its properties, it effectively protects motor parts during motor start and in the case of high loads onto lubricated assemblies. Low evaporation losses and modern additives set lead to minimal oil consumption. TAKAYAMA SAE 10W-40 oil complies with international standards and ensures reliable car operation.

#### Engine oil TAKAYAMA SAE 10W-40 ensures:

- High corrosive resistance of motor parts;
- exceeds lubrication properties at most extreme operational conditions;
- oil consumption decrease due to low evaporation ability;
- high resistance to wear of parts operated at high loads.

Semi-synthetic all-seasonal engine oil is intended for use in cars with gasoline engines, including those with turbocharging and multivalve engines. Engine oil TAKAYAMA SAE 10W-40 is manufactured from high quality base oil with innovative set of additives. Quality control is performed on each stage of production and ensures stable engine within the whole oil service life.



### Specifications

API SL/CF, ACEA A3/B4, MB 229.1

### Bottling types

1 L, 4 L

### User's Manual

To be used in line with recommendations by motor vehicles manufacturer.

### Safety

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.

### Ecology and disposal

Prevent oil ingress to soil, water and sewage. Dispose to specially allotted places.

### Warranty

Guaranteed storage term of TAKAYAMA engine and transmission oils: 5 years from manufacturing date at Manufacturer's plant, in Manufacturer's tare.

### Storage

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 cups up.



#### Manufacturer:

Japan Chemical Innovations  
Corporation K.K., Toranomon 40MT Bldg.7F,  
5-13-1 Toranomon, Minato-ku, Tokyo, Japan  
[www.takayama-oil.co.jp](http://www.takayama-oil.co.jp)

#### Branch:

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JCI Corporation, Japan

## Characteristics

INDEXES	METHOD	VALUE
Viscosity @ 40°C, mm <sup>2</sup> /s	ASTM D445	100,3
Viscosity @ 100°C, mm <sup>2</sup> /s	ASTM D445	14,84
Viscosity index	ASTM D2270	155
Viscosity, MPa*s, at minus 25°C, not more	ASTM D5293	5860
Pour point, °C, not more	ASTM D97	Minus 38
Flash point, °C, not less	ASTM D92	231
Evaporation losses (Noack), %, not more	ASTM D5800	10,2
Base number, mg KOH/g, not less	ASTM D2896	10,65
Density @ 15°C, g/cm <sup>3</sup>	ASTM D4052	0,8722



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