



TAKAYAMA

Motor oil TAKAYAMA SAE 5W-20 ILSAC GF-5



Description	The modern synthetic energy-saving motor oil TAKAYAMA SAE 5W-20 for heavy-duty gasoline engines. It is recommended for use in turbocharged and atmospheric engines of cars and off-road vehicles. It provides smooth engine operation and fuel economy, high resistance to oxidative processes. The oil meets the latest emission requirements. Recommended as a multigrade motor oil.
Specifications	API SN; ILSAC GF-5
Bottling types	1L, 4L, 20L, 200L
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 caps up.

Physicochemical characteristics

NAME OF CHARACTERISTIC	METHOD	VALUE
Density at 15 ° C, g / cm ³	ASTM D4052	0,8550
Kinematic viscosity at 100 ° C, mm ² / s	ASTM D445	8,69
Kinematic viscosity at 40 ° C, mm ² / s	ASTM D445	48,78
Viscosity index	ASTM D2270	154
Dynamic viscosity CCS at - 30 ° C, MPa * s, not more than	ASTM D5293	4800
Alkaline number, mg KOH / g, not less	ASTM D2896	8,80
Noack volatility, %, no more	ASTM D5800	8,90
Flash point, ° C, not lower	ASTM D92	240
Pour point, ° C, not higher	ASTM D97	- 39

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



Manufacturer:
Japan Chemical Innovations
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JCI Corporation, Japan