



CERTIFICATE OF ANALYSES № 2579

Engine Oil SAE 50 API CC
STO 84035624-084-2024

Date of manufacture: 13.03.2025
Sampling date: 13.03.2025

Test date: 13.03.2025

	Indicator name	Test method	TR of the CU Limit	ND Limit	Analysis result
1	Kinematic viscosity at 100°C, mm^2/c in range	GOST 33	-	within 19,90-21.90	20,35
2	Total Base number, mg KOH/g, min	GOST 11362	-	6.0	6,6
3	Sulfated Ash, wt%, max	GOST 12417	-	1,65	1,00
4	Mechanical impurities, wt%, max	GOST 6370	0.03	0,015	0,005
5	Water content, wt%, max	GOST 2477	-	traces	Traces
6	Pour Point, °C max	GOST 20287	-	Minus 9	Minus 15
7	Flash Point COC, °C, min	GOST 4333	no less 135	230	251
8	Content of elements, wt%, in range Calcium Zinc	GOST 33305	-	0,24-0,32	0,25
			-	0,05-0,08	0,07
9	Density at 20°C, kg/m ³	GOST 3900	-	N/A	895,2
10	Density at 15°C, kg/m ³	GOST 3900	-	N/A	897,8
11	Appearance	Visual	-	B&C	B&C
12	Self-ignition point, °C, min	GOST 12.1.044	165	165	396

Conclusion: the quality of Engine oil SAE 50 API CC motor oil complies with the requirements of the Technical Regulation of the Customs Union (TRCU 030/2012) "On the requirements for lubricants, oils and special liquids", and STO 44918199-098-2017. Technical requirements" with change 1.

Additional information:

1) Carefully. Flammable viscous liquid. In case of contact with eyes, it irritates the mucous membrane; with prolonged periodic exposure, it can cause irritation and dry skin. When administered intragastrically, less harmful. Has a skin-resorptive effect. When working, it is necessary to use personal protective equipment in accordance with standard standards approved in accordance with the established procedure, and also observe the rules of personal hygiene. More complete information on safe handling can be found in the safety data sheet. The guaranteed shelf life is 5 years from the cotton wool of manufacture, provided that the consumer complies with the conditions of transportation and storage.

ANNEX to CERTIFICATE OF ANALYSES № 2579
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	Indicator name	Test method	Actual values/Result
1	Fractional composition: -boiling point, °C -distilled to a temperature of 250°C, % vol. -distilled to a temperature of 300°C, % vol. -distilled to a temperature of 350°C, % vol.	ISO 3405 (equivalent to ASTM D86) ¹⁾	Cannot be determined ²⁾
2	Temperature at which 65% of voluminous oil fractions or less voluminous oil fractions (including losses) distilled	ISO 3405 (equivalent to ASTM D86) ¹⁾	Cannot be determined ²⁾
3	Sulfate ash content, % by weight	ISO 3987 (equivalent to GOST 12417)	1.00
4	Saponification index, mg KOH/g	ISO 6293-1/2 (GOST 17362)	2.0
5	Pour point, °C	ISO 3016 (GOST 20287 method A)	-12
6	Colorimetric characteristic (K) in solution, units ASTM	ISO 2049 (equivalent to ASTM D1500)	<0.5
7	Kinematic viscosity at 50°C, mm ² /s	EN ISO 3104 (GOST 33)	146.2
8	Kinematic viscosity at 100°C, mm ² /s	EN ISO 3104 (GOST 33)	20.35
9	Viscosity index	GOST 25371 or ASTM D2270	91

Additional information:

1) Method is intended to determine the fractional composition of light and middle distillates and is not applicable to oils

2) Boiling point and distillation percentage cannot be determined correctly because when heated at atmospheric pressure, the product begins to decompose
 Date of Certificate of Analyses № 2579 dated 13.03.2025

ALTRON
NEFT

127495, Moscow, Severny municipal district, Dmitrovskoye highway, Bldg. 163A, Block. 2 TAX:

7708405134 info@ashoria.com