G-ENERGY ANTIFREEZE SI-OAT 40

Ready-to-use liquid coolant based on ethylene glycol and low-hybrid type corrosion inhibitors (based on salts of organic acids and silicates (Si-OAT)). Intended for use in internal combustion engines. Protects against corrosion and deposit formation, provides extended change interval.

Application:

- Light motor and load-carrying vehicles.
- Stationary engines.
- Heavy-duty engines.

Advantages:

- Contains a package of corrosion inhibitors based on salts of organic acids and silicates (Si-OAT).
- Contains no nitrites, amines, phosphates and borates.
- Provides engine protection against corrosion, overheating and freezing.
- Effectively protects all important parts of the vehicle cooling system from corrosion and deposit formation: cooling channels in blocks and cylinder heads, radiator, water pump and heat exchanger.

Typical physical and chemical properties

Parameters	Method	G-Energy Antifreeze Si-OAT 40
Appearance	Visually	Transparent homogeneous red-violet liquid without visible foreign inclusions
Density at 20 °C, g/cm^3	ASTM D1122	1.073
Refractive index at 20 °C	GOST 18995.2	1.386
Boiling point, ˚C	ASTM D1120	108
pH	ASTM D1287	8.5
Alkalinity reserve, ml	ASTM D1121	10
Chilling point, °C	ASTM D1177	- 37
Foamability	ASTM D1881	max 50 ml / 3 s

Specifications:

- Cummins CES 14603; MAN 324 Si-OAT; MTU MTL 5048; WV TL 774 G (G12++); MB-Approval 325.5; BMW LC 18

Standards:

ASTM D3306; ASTM D4985; GOST 33591-2015

Corrosion in Glassware Test, VW TL 774-G

	Copper	Solder	Brass	Steel	Cast iron	GAlSi6Cu4	AlSi12	AlMn	GAlSi10Mg
	Weight loss[1], g/m^2								
VW TL 774-G standard	3	3	3	3	3	2	2	2	2
G-Energy Antifreeze Si-OAT	0.1	0.1	-0.4	-0.1	-0.1	-0.5	-0.9	-0.4	-0.7

1 - negative values indicate weight gain
2 - test results on the concentrate of G-Energy Antifreeze Si-OAT 40 using aggressively corrosive water

The company's management system is certified in accordance with the international standards

ISO 9001 ISO 14001 ISO 45001

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