

G-ENERGY ANTIFREEZE SNF 40

Ready-to-use liquid coolant based on ethylene glycol and carboxylic acid salts (carboxylate type). Intended for cooling systems of internal combustion engines. Provides improved heat exchange and extended change interval compared to traditional antifreezes. G-Energy Antifreeze SNF 40 is a solution of concentrate and water in a ratio of 50/50 by volume.

Application:

- Light motor and load-carrying vehicles, tractors and buses.
- Stationary diesel and gas reciprocating engines.
- The concentrate is not used as an operating liquid coolant.

Advantages:

- Contains a package of corrosion inhibitors based on salts of organic acids (SNF – Silicate Nitrite Free).
- Contains no silicates, nitrites, amines, phosphates and borates.
- Provides engine with protection against corrosion, overheating and freezing, especially aluminum engines subjected to high loads.
- 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 SNF 40
Appearance	Visually	Transparent homogeneous red-violet liquid without visible foreign inclusions
Density at 20 °C, g/cm ³	ASTM D1122	1.068
Refractive index at 20 °C	GOST 18995.2	1.386
Boiling point, °C	ASTM D1120	108
pH	ASTM D1287	8.7
Alkalinity reserve, ml	ASTM D1121	9.0
Chilling point, °C	ASTM D1177	- 38
Foamability	ASTM D1881	max 100 ml / 3 s

Specifications:

- MB 325.3, MTU MTL 5048, MWM 2091/15, MAN 324 SNF, VW/Audi/Seat/Skoda TL 774-D/F (G-12/G-12+), Bentley TL 774-D/F, DAF MAT 74002, DEUTZ DQC CB-14, BMW LC-13, BMW LC-07, Jaguar (built as from 1999), Lamborghini TL 774-D/F, MINI Cooper D (built as from 2007), Porsche (built as from 1996), FORD WSS-M97B44-D, Great Wall, Fiat, Case New Holland, Claas, Caterpillar, Jenbacher TA 1000-0200, Deutz 0199-99-1115, DDC Power Cool Plus, GM 6277 M, Wärtsilä 32-9011, John Deere JDM H5, Komatsu KES 07.892, Liebherr MD1-36-130, Mazda, Isuzu, Volvo VCS 418-0001

Standards:

- ASTM D3306, ASTM D4985, ASTM D6210, ASTM D7583, BS 6580:2010, KSM 2142, JASO M325, JIS K2234, AS 2108-2004, SAE J1034, AFNOR SNF R15-601, ÖNORM V 5123, CUNA NC 956-16, SANS 1251:2005, SH 0521-1999, CHINA GB 29743

Corrosion in Glassware Test, ASTM D1384

	Brass	Copper	Solder	Steel	Cast iron	Aluminum
	Weight loss, mg/plate ¹					
ASTM D3306 standard (max)	10	10	30	10	10	30
G-Energy Antifreeze SNF 40	1.4	1.8	2.2	0.2	1.3	4.5

1 - negative values indicate weight gain

Hot Surface Corrosion Test, ASTM D4340

	Weight loss, mg/cm ² /week ¹	ASTM D3306 standard
Aluminum	<0.2	max 1.0

2 - test results on the concentrate of G-Energy Antifreeze SNF 40 using aggressively corrosive water

Pump Cavitation Test, ASTM D2809

	Rating	ASTM D 3306 standard
Aluminum water pump	9	min 8

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

ISO 9001



ISO 14001



ISO 45001

