

G-ENERGY ANTIFREEZE HD

G-Energy Antifreeze HD is a concentrate of the liquid coolant of a low-hybrid type for heavy-duty internal combustion engines, including powerful engines of quarry trucks and stationary engines of mini-power plants. When off-the-shelf, it provides improved protection against cavitation and highly efficient cooling of engines at ambient temperature according to the recommendations for dilution with water. Before use, the concentrate must be diluted with distilled water. Do not use without dilution.

Application:

- Heavy-duty diesel engines.
- Load-carrying and light motor vehicles.
- Stationary engines of mini power station.
- A specialized product for use in heavy-duty equipment.
- The concentrate is not used as an operating liquid coolant.
- Before use, the concentrate must be diluted with water from 40% to 60%.
- The optimal liquid coolant concentration is 50%.
- Use distilled or demineralized (filtered) water for dilution.

Advantages:

- Low-hybrid technology is the Organic Acid Technology.
- Contains nitrites and molybdates - for heavy-duty (HD) engines.
- Provides maximum protection against corrosion and sludge formation.
- Contains no amines, phosphates, silicates.

Typical physical and chemical properties

Parameters	Method	G-Energy Antifreeze HD
Appearance	Visually	Transparent homogeneous violet liquid without visible foreign inclusions
Density at 20 °C, g/cm ³	ASTM D1122	1.114
Refractive index at 20 °C	GOST 18995.2	1.430
Boiling point, °C	ASTM D1120	> 160
pH (50% dilution)	ASTM D1287	8.8
Alkalinity reserve (50% dilution), ml	ASTM D1121	6.8
Chilling point, 50% vol., °C	ASTM D1177	- 37
Water content, %	ASTM D1119	< 5
Foamability	ASTM D1881	max 150 ml / 5 s

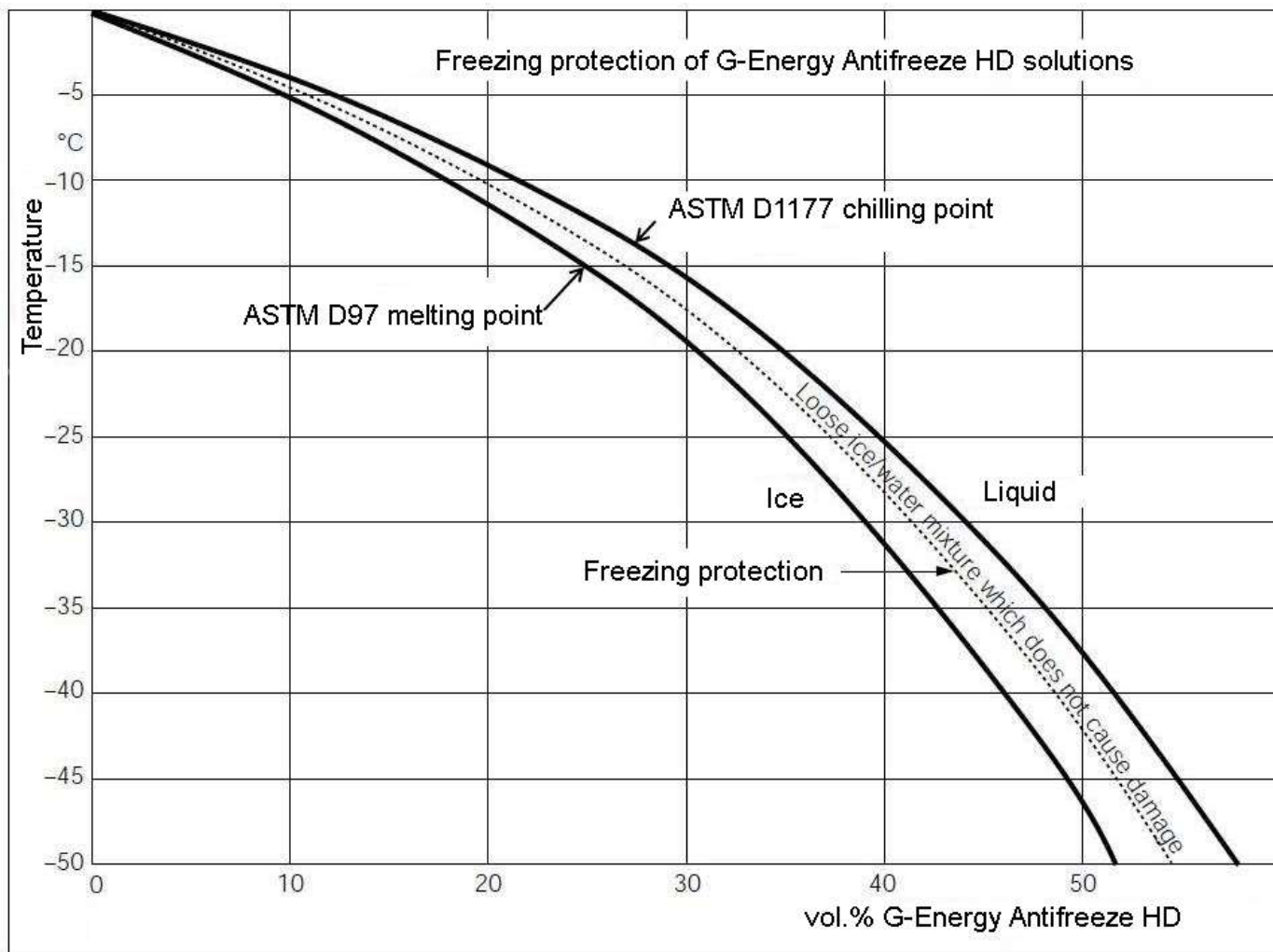
Standards:

- ASTM D3306; ASTM D4985; ASTM D6210; SAE J1034; SAE J1038; TMC RP329

Specifications:

- Caterpillar ELC (EC-1); Cummins 90T8-4; Detroit Diesel 7SE298; Freightliner 48-22880; General Motors 1825; General Motors 1899M; General Motors 6277M

Graph of freezing protection temperature* depending on the volume concentration



* Freezing protection temperature is the arithmetic mean between chilling point (appearance of crystals) and melting point (loss of fluidity).

Corrosion in Glassware Test, ASTM D1384

	Brass	Copper	Solder	Steel	Cast iron	Aluminum
	Weight loss, mg/plate					
ASTM D3306 standard (max)	10	10	30	10	10	30
G-Energy Antifreeze HD	3	3	2	3	3	7

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

ISO 9001



ISO 14001



ISO 45001

