

G-Energy Antifreeze HD

Extra High Performance Antifreeze

G-Energy Antifreeze HD is extra-long-life high performance coolant made of ethylene glycol. It is specially designed for modern heavy duty diesel engines. The Organic Acid Technology (OAT) formula gives outstanding protection against frost, corrosion and overheating for engines of both ferrous and aluminum construction. G-Energy Antifreeze HD contains nitrites and molybdates for extended protection of heavy duty engines against cavitation and corrosion. It is free of amines, phosphates, silicates. Concentrated antifreeze formula needs to be diluted prior to be used.

Applications

- Heavy duty diesel engines of both ferrous and aluminum construction
- G-Energy Antifreeze HD Concentrate must be diluted prior to be used as recommended by vehicle manufacturer (see dilution chart).
- For preparation of the coolant it is recommended to use distilled or deionized water. Tap water can be used when not excessively hard.

Dilution Chart

Antifreeze concentrate/Water, v/v%	Freeze protection
33/67	-18°C
50/50	-38°C
60/40	-55°C

Meets the requirements:

- ASTM D6210
- ASTM D3306
- ASTM D4985
- SAE J1034
- SAE J1038
- TMC RP329
- CAT EC-1
- Cummins CES 14603
- Detroit Diesel 7SE298
- Freightliner 48-22880
- GM 1825/1899M/6277M

Typical Characteristics

Properties	Method	G-Energy Antifreeze HD
Color	visually	reddish purple
Density @20°C, g/cm ³	DIN 51 757-4	1,099 – 1,129
Boiling point, °C	ASTM D1120	163 °C
pH (33% volume solution)	ASTM D1287	8,0 – 9,4
Reserve Alkalinity, ml HCl	ASTM D1121	min.3,5
Freezing Point (50% volume solution), °C	ASTM D 1177	-37 °C
Foaming characteristics (33% volume solution)	ASTM D 1881	max.150ml/5s
Molybdates, mg/l	IC	1510 – 1860

Available type and size

Product Name	Type	Available Size
G-Energy Antifreeze HD	Concentrate (needs to be diluted prior to be used)	10 kg , 220kg , 1000kg
G-Energy Antifreeze HD 40	Ready to use product that has been premixed with concentrate and water to obtain -40°C freezing point	10 kg , 220kg , 1000kg

Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.