

GLACIER ANTIFREEZE G12+

Concentrated Fluid

GLACIER ANTIFREEZE G12+ is a long life silicate-, amine-, nitrite- and phosphates free anti-freeze based on Organic Acid Technology (OAT) technology in ethylene glycol to be used as a cooling and heat transferring fluid in combustion engines.

GLACIER ANTIFREEZE G12+ may not be used undiluted in a combustion engine.

GLACIER ANTIFREEZE G12+ is based on ethylene glycol and in combination of a patent silicate free aliphatic additive technology to obtain the following properties:

- Extended life.
- Environmentally friendly.
- Reliability
- Excellent corrosion protection for aluminum heat transfer surfaces.
- Excellent cavitation protection.
- Improved heat transfer.
- Reduces repairs.
- Improved hard water stability.
- Suitable for mixed fleets

GLACIER ANTIFREEZE G12+ exceeds the following performance criteria:

VAG TL 774D/F
Ford WSS-M97B44D
Hitachi
Volvo

MB 325.3
Cummins IS Series
Liebherr MD1-36
Thermo King

MAN 324 SNF
Detroit Diesel
MTU 5048

GM 6277M
Deutz/MWM
Renault/Nissan

Typical Analysis

Properties	Unit	Method	Typical Value
Color			Orange
Density @15°C	kg/m ³	ASTM D5931	1116
Refractive Index, 20°C		ASTM D1218	1.43
Equilibrium Boiling Point	°C	ASTM D1120	180
Reserve Alkalinity (pH 5.5)		ASTM D1121	6.2
pH Value		ASTM D1287	8.6
Freezing Protection			
33% dilution with water	°C		-20
40% dilution with water	°C		-27
50% dilution with water	°C		-40