



ANTIFREEZE G12 PLUS

Product Description:

ANTIFREEZE G12 PLUS 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.

ANTIFREEZE G12 PLUS 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 aluminium heat transfer surfaces.
- Excellent cavitation protection.
- Improved heat transfer.
- Reduces repairs.
- Improved hard water stability.
- Suitable for mixed fleets.

ANTIFREEZE G12 PLUS exceeds the following performance criteria:

ASTM D3306
VW TL-774 F (G12+)
Cummins CES 14603
DDC DFS93K217
Foton Q-FPT 2313005-2013
JIS K2234
Komatsu 07.892 (2009)
Mack 014 GS 17009
Mazda MEZ MN 121D
MWM 0199-99-2091/12

ASTM D6210
BS 6580
Cummins CES 14439
Deutz DQC CB-14
STJLR 651.5003
Jenbacher TA 1000-0201
KSM 2142
MAN 324 Typ SNF
MB 325.3
Opel/GM GMW 3420

VW TL-774 D (G12)
MAT 3624
DAF 74002
Ford WSS-M97N44-D
Jaguar CMR 8229
JDM H5
Liebherr MD1-36-130
Renault Type D
MTU 5048
Volvo VCS



Property	Unit	Test Method	Typical Value
Color			Orange/red
Density @15°C	kg/m³	ASTM D5931	1.116
Equilibrium Boiling Point	°C	ASTM D1120	180
Reserve Alkalinity (pH 5.5)		ASTM D1121	6.2
Refractive Index, 20°C		ASTM D1218	1.430
Freezing Protection			
33% dilution with water	°C		-18
40% dilution with water	°C		-24
50% dilution with water	°C		-40

Product Nr: 43850

Date Superseded: 29-05-2018

Date Issued: 23-12-2019

Revision nr: 04