

ALPINE® C12 Evo

Universal coolant

Properties

ALPINE C12 Evo is a radiator protection based on ethylene glycol, which offers excellent corrosion and cavitation protection for the longest possible coolant life thanks to an optimal combination of very stable inhibitors based on Si-OAT technology. Other additives prevent the coolant from foaming and prevent deposits.

ALPINE C12 Evo offers year-round, maintenance-free frost and corrosion protection over the entire service life of the engine.

ALPINE C12 Evo is free from nitrites, amines, borates and 2-ethylhexanoic acid. The coolant has no negative effect on coolant hoses or cylinder head gaskets.

Application notes

ALPINE C12 Evo mixed with the corresponding quantity water (distilled water) is used as a coolant and heat transfer fluid in modern combustion engines, whether engines made of cast iron, aluminium or a combination of both metals and in cooling systems made of aluminium or copper alloys. **ALPINE C12 Evo** is especially recommended for high-performance engines.

An application concentration of 50 vol.% is recommended all year round. **ALPINE C12 Evo** can be mixed with most ethylene glycol-based coolants.

Caution: Observe manufacturer's instructions.

Service description

Recommendation*:

- Volkswagen TL 774-L (G12evo)
- Audi from 1996 (G12evo, G13, G12++, G12+, G11)
- Bugatti from 1998
- Lamborghini from 1998
- Porsche from 1996
- Seat from 1996
- Skoda from 1996
- BMW from 1988 (LC-87), Mini und Rolls Royce
- BMW LC-18
- Deutz DQC CC-14
- Ford WSS-M97B44-D, Ford WSS-M97B57-A1
- John Deere (>2011)
- Liebherr (Minimum LH-01-COL3A)
- MAN 324 Typ Si-OAT
- MAN 324 Typ Si-OAT evo
- Mercedes-Benz Cars (MB 325.0 / MB 325.6)
- Mercedes-Benz Truck and Bus (MB 325.0 / MB 325.5)
- MTU MTL 5048
- Perkins
- Steyr Motors
- Volvo Cars (TR-31854114-002), Volvo Trucks (TR 1286083)

* meets the requirements of the OEM manufacturer.
The stated values may vary within the usual commercial range.

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Specifications:

- AS 2108-2004
- AFNOR NFR 15-601
- ASTM D 3306, ASTM D 4985
- ASTM D 6210
- BS 6580:2010
- CUNA NC 956-16
- JIS K 2234:2006
- SAE J 1034
- ÖNORM V 5123
- SANS 1251:2005
- China GB 29743-2013

ALPINE C12 Evo parts	Water parts	Anti-frost up to:
1	2	-18°C
1	1,5	-24°C
1	1	-36°C

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE C12 Evo
Density at 20°C	ASTM D 4052	g/cm ³	1.132
Reserve alkalinity (pH 5,5)	ASTM D 1121	ml 0,1 n HCl	11
Boiling point	ASTM D 1120	°C	172
pH value	ASTM D 1287	-	7.9
Flash point	DIN EN ISO 2719	°C	111
Antifreeze at 50 Vol. %	ASTM D 1177	°C	- 36
Colour	-	-	violet

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