ALPINE® C13

Premium Lobrid coolant violet

Properties

ALPINE C13 is a premium antifreeze based on ethylene glycol, free of potentially harmful substances such as nitrites, amines and phosphates. Due to an optimal combination of OAT and silicate technology as well as high-performance additives, **ALPINE C13** offers excellent corrosion and cavitation protection for the longest possible coolant service life. Further additives prevent the coolant from foaming and prevent deposits. **ALPINE C13** offers year-round frost and corrosion protection that is maintenance-free over the entire service life of the engine. The coolant has no negative influence on coolant hoses or cylinder head gaskets.

Application notes

ALPINE C13 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 C13** is especially recommended for light metal engines where special aluminium protection is required at higher temperatures.
An application concentration of 50 vol.% is recommended all year round.
ALPINE C13 can be mixed with most ethylene glycol-based coolants.

Caution: Observe manufacturer‘s instructions.

Service description

Recommendation*:
- VW TL 774 J
- Audi
- Bentley
- Lamborghini
- Seat/Skoda

ALPINE C13 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 C13
Density at 20°C	ASTM D 4052	g/cm³	1.119
Reserve alkalinity (pH 5.5)	ASTM D 1121	ml 0,1 n HCl	6.5
Boiling point	ASTM D 1120	°C	>170
pH value	ASTM D 1287	-	7.5 - 9
Flash point	DIN EN ISO 2592	°C	>111
Antifreeze at 50 vol.%	ASTM D 1177	°C	- 36
Colour	-	-	violet

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

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