

HIGHTEC ANTIFREEZE AN 13

Premium-quality longlife radiator coolant concentrate of the latest generation based on monoethylene glycol and glycerin; free from nitrites, amines and phosphates; provides reliable protection for aluminium and cast iron engines.

Description

HIGHTEC ANTIFREEZE AN 13 is a premium-quality long life radiator coolant concentrate of the latest generation based on monoethylene glycol and glycerine. The pro rata use of glycerine - which is made from renewable sources – reduces the green house gas emissions during production process by approx. 11%. HIGHTEC ANTIFREEZE AN 13 is free from nitrites, amines and phosphates and thus additionally reduces the impact on the environment.

Application

HIGHTEC ANTIFREEZE AN 13 has been specially designed to fulfil the requirements of the latest Volkswagen G13 coolant specification (TL 744-J). It's backward compatible to the former G12++/G12+ (TL 774-G/-F) specifications and it reliably prevents from deposits and foaming and thus offering perfect heat flow.

In compliance to EEC regulations the quality of HIGHTEC ANTIFREEZE AN 13 is equivalent according to the following standards / specifications:

- ASTM D3306/D4985
- SAE J1034
- VW TL 774-J (G13)

Advantages/Benefits

- fulfils the latest VW-Specification TL 774-J (G13)
- backward compatible to the former VW-Specifications G12++ and G12+ (TL 774-G/-F)
- suitable for both cast iron and aluminium engines
- reduces green house emissions during production by approx. 11%
- free from nitrites, amines and phosphates and thus additionally reduces the impact on the environment
- reliably prevents from deposits
- very good and long lasting anti corrosion properties
- prevents from cavitations
- minimized foaming tendencies
- miscible and compatible with other branded coolant additives of same specification. To make use of the full performance benefit of HIGHTEC ANTIFREEZE AN 13 a complete coolant change is recommended

	MIXING RATIOS	
Frost protection approx.	Parts coolant additive	Parts tab water
- 25 °C	2	3
- 36 °C	1	1
- 52 °C	3	2

Typical characteristics

Characteristics	Density at 20 °C	Viscosity at 20 °C	Flash point	Pour point 1:1 CA / water	Boiling Point
Method	DIN 51 757	DIN 51 562	ISO 2592	ISO 3016	ASTM D 1120
Unit	g/ml	mm ² /s	°C	°C	°C
Value	1.140	25	n.a.	approx. -36 °C	> 170

CA = Coolant Additive

The above data are true and correct to the best of our knowledge and belief and reflect the current state of knowledge and our development effort. All rights to changes reserved! The characteristic data indicated are subject to the repeatability and reproducibility of the given test methods.

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