

HIGHTEC ANTIFREEZE COOLANT AN 12 EVO

A monoethylene glycol-based coolant concentrate which has been designed for today's modern vehicles. HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is 2-ethylhexanoic acid free.

Description

HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is a high-performance, silicate-containing long-term coolant concentrate which is based on monoethylene glycol. The special additive technology, which has been implemented here, combines the advantages of both silicate-containing and silicate-free coolants. In this specially developed MoSi technology, the various inhibitors have been precisely coordinated with each other so that excellent and long-lasting corrosion protection could therefore be combined with optimum heat transfer and high-temperature stability. Utilising the excellent cavitation protection, means that HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is also therefore particularly suitable for utilisation in HGVs and commercial vehicles.

Application

HIGHTEC ANTIFREEZE COOLANT AN 12 EVO has been especially developed in order to reliably protect state-of-the-art aluminium engines and cast iron engines against deposits, corrosion and cavitation. Due to its comprehensive compatibility with the materials which are utilised in cooling system construction such as various aluminium alloys and cast alloys, different polymers and elastomers, HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is therefore suitable for many different cooling systems and will be utilised in this sector according to manufacturer specifications. HIGHTEC ANTIFREEZE COOLANT AN 12 EVO fulfils the modern Volkswagen TL 774- L(G12Evo) specification and can therefore also be utilised in a backwards compatible manner for the following specifications: VW TL 774-C(G11)/D(G12)/F(G12+)/G(12++)/J(G13).

Approvals

- Deutz DQC CC-14

Specifications

- ASTM D3306
- ASTM D4985
- AS 2108-2004
- BS 6580:2010
- CUNA NC 956-16
- JIS K 2234:2006
- SAE J1034
- SANS 1251:2005
- Cummins CES 14603/14439
- VW TL 774-C(G11)/D(G12)/F(G12+)/G(12++)/J(G13)/L(G12Evo)

ROWE recommendations

- ASTM D6210
- China GB 29743-2013
- BMW LC-18(83 19 2 466 484/83 19 2 468 442/83 19 2 468 443)/LC-87(83 19 2 211 191/83 51 2 355 290/83 19 2 211 194/83 19 2 211 913/83 19 2 211 195/83 19 2 211 914)
- Deutz DQC CA-14/CB-14
- Fiat 9.55523
- Ford ESD-M97B49-A
- Iveco 18-1830
- MAN 324 NF/324 SNF/324 Si-OAT
- MB 325.0
- MTU MTL 5048
- Toyota Long Life Coolant 1WW/2WW

Advantages

- Excellent corrosion protection
- Excellent cavitation protection
- Optimal heat transfer
- Wide field of application
- Non-foaming
- Extremely stable even at high temperatures
- Can be utilised in cast iron engines and aluminium engines
- Reliably prevents deposits
- Free of 2-ethylhexanoic acid
- Excellent flux compatibility
- Miscible and compatible with other coolant concentrates with the same specification. However, we always recommend a complete coolant change in order to take full advantage of the benefits of our HIGHTEC ANTIFREEZE COOLANT AN 12 EVO product.

Notes

- HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is 2-ethylhexanoic acid free.



Mixing table

Frost protection up to [°C / °F]	ANTIFREEZE COOLANT	H2O
-37 / -35	1	1
-27 / -17	1	1,5
-20 / -4	1	2
Siedepunkt / Boiling Point [°C / °F]	ANTIFREEZE COOLANT	H2O
109 / 228	1	1
107 / 225	1	1,5
105 / 221	1	2

Typical characteristics

Property	Method	Unit	Value
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	125
Color		visual	magenta
Boiling point	ASTM D 1120	°C	>170
pH	ASTM D1287	-	8,5
Freezing point 1:1 AF:Water	ASTM D1177	°C / °F	-37 / -34,6
Density at 20 °C	ASTM D5931	g/cm³	1.124

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply (www.rowe-oil.com).

