PRODUCT INFORMATION

ROWE®

HIGHTEC ANTIFREEZE COOLANT AN 12 EVO

Monoethylene glycol-based coolant concentrate for modern vehicles. HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is free of 2-ethylhexanoic acid.

Description

HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is a high-performance, silicate-containing, long-life coolant concentrate based on monoethylene glycol. The specialized additive technology used here combines the advantages of silicate-containing and silicate-free coolants. With this proprietary MoSi technology, the various inhibitors have been precisely balanced to combine excellent, long-lasting corrosion protection with optimal heat transfer and high-temperature stability. Due to its excellent cavitation protection, HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is also particularly well-suited for use in trucks and commercial vehicles.

Application

HIGHTEC ANTIFREEZE COOLANT AN 12 EVO was developed to reliably protect state-of-the-art aluminum and cast engines from deposits, corrosion, and cavitation. Thanks to its broad compatibility with materials used in cooling system construction—such as various aluminum and cast alloys, as well as various polymers and elastomers—HIGHTEC ANTIFREEZE COOLANT AN 12 EVO is suitable for a wide range of cooling systems and is used in accordance with manufacturer specifications. HIGHTEC ANTIFREEZE COOLANT AN 12 EVO meets the modern Volkswagen specification TL 774-L (G12Evo) and is therefore also backward compatible with 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), 774-D(G12), 774-F(G12+), 774-G(12++), 774-J(G13), 774-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, 83 19 5 A42 DF3), 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
- DTFR 29C100 (ex. MB 325.0), DTFR 29C120 (ex. MB 325.5), DTFR 29D120 (ex. MB 326.5)
- Fiat 9.55523
- Ford ESD-M97B49-A, WSS-M97B51-A1
- Iveco 18-1830
- MAN 324 NF, MAN 324 SNF, MAN 324 Si-OAT
- MB 326.6, DTFR 29D110 (ex. MB 326.3), MB 325.6, DTFR 29C110 (ex. MB 325.3)
- MTU MTL 5048
- Toyota Long Life Coolant 1WW, 2WW
- Volvo VCS, VCS-2

Advantages

- Excellent corrosion protection
- Excellent cavitation protection
- Optimal heat transfer
- Wide range of applications
- Non-foaming
- Extremely high-temperature stable
- Suitable for use in cast iron and aluminum engines
- Reliably prevents deposits
- Free of 2-ethylhexanoic acid
- Excellent compatibility with flux
- Miscible and compatible with other coolant concentrates of the same specification. However, to fully realize the benefits of HIGHTEC ANTIFREEZE COOLANT AN 12 EVO, a complete coolant change is recommended.

Notes

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

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Langgewann 101, D-67547 Worms

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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).

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