

PRODUCT INFORMATION



Automotive Chemicals – Coolant Antifreeze

Version: 2011/23#1

Valvoline™ ZEREX™ G40® Concentrate

Si-OAT coolant for passenger car, heavy duty truck, bus and off-road applications.

Valvoline ZEREX G40® Concentrate is an official GLYSANTIN® based premium grade coolant. The hybrid carboxylate formulation has an extended service life. It incorporates state-of-the-art organic acid technology in an ethylene glycol base for protection of all cooling system metals including aluminum. Valvoline ZEREX G40® Concentrate contains no phosphates, imidazol, borates, nitrates, amines or nitrites. Valvoline ZEREX G40® Concentrate is approved by numerous leading engine manufacturers. It protects engine components from winter freezing and summer boiling.

GLYSANTIN® G40® by BASF is approved by:
Cummins CES 14603
Deutz DQC CC-14
Irizar (from 2016)
Liebherr Minimum LH-01-COL3A
MB-Approval 325.5 and 325.6
MAN 324 Type Si-OAT
MTU MTL 5048
Porsche From MY 2010
Smart (MB-Approval 326.0)
TL 774-G (G12++): VW / Audi / Seat / Skoda / Lamborghini / Bentley / Bugatti

Performance levels
AS 2108-2004
ASTM D 3306
ASTM D 4985
BS 6580:2010
China GB 29743-2013
CUNA NC 956-16
JIS K 2234:2006
ONORM V 5123
SAE J1034
SANS 1251:2005

Features and Benefits

Premium formula for superior protection

Valvoline ZEREX G40® is an OEM approved premium grade coolant that provides outstanding protection to vital engine parts such as coolant channels in engine block, cylinder heads (liner pitting), radiator and water pump against corrosion, overheating and frost. It contains high quality defoamer and will not harm gaskets, hoses, plastics or original vehicle paint.

Long Life Protection

Superior long-life protection:

- up to 5 years / 250.000 km for passenger cars
- up to 3 years / 500.000 km for Heavy Duty applications



Glysantin® and G40® are brands of BASF – We create chemistry

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Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit www.valvolineeurope.com

Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

Valvoline ZEREX G40® Concentrate	
Concentrate to be mixed with (demineralized) water	
Appearance	Liquid
Colour	Pink
Boiling point °C, ASTM D 1120	160 min.*
Flash point °C, DIN ISO 2592	120 min.
Density g/cm ³ @ 20 °C, DIN 51 757-4	1,123 – 1,126
pH value, ASTM D 1287	8,2 – 8,6
Storage stability	Up to 3 years

* Boiling Point shown using conventional 15 psi Radiator cap.

This information only applies to products manufactured in the following location(s): Europe

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Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet <http://msds.valvoline.com>

Protect the environment

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

Storage

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

Valvoline ZEREX G40® Concentrate	
Concentrate mixed with (demineralized) water	Freezing Point
33 vol% solution	below -18°C
50 vol% solution	below -37°C

Analysis values of the water may not exceed the following threshold values:

Water hardness	0 – 3,6 mmol/l
Chloride content	max. 100 ppm
Sulphate content	max. 100 ppm