Product information

PI 75/02/02/2023

Radiator Antifreeze KFS 12+

Description

Radiator antifreeze based on ethylene glycol. Combination of active agents with an OAT inhibitor package specially developed for modern aluminum high-performance engines. Does not contain amines, borates, nitrites, phosphates or silicates and provides outstanding protection against frost, rust and overheating. If mixed with water in the right ratio, ensures reliable vehicle performance all year round.

Properties

- prevents the cooling system from freezing up
- excellent corrosion protection
- outstanding for aluminum high-performance engines
- provides outstanding protection against overheating
- prevents operational malfunctions
- contains no amines, borates, nitrites, phosphates or silicates
- excellent cleaning effect

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required

ADE • Aston Martin • Audi TL-774 D = G12 • Audi TL-774 F = G12+ • Behr • Bergen Engines 2.13.01 • CASE New Holland MAT 3624 • Caterpillar / MAK • Caterpillar GCM34 • Caterpillar MWM 0199-99-2091/12 • Chevrolet • Claas • Cummins CES 14439 • Cummins CES 14603 • Cummins IS series u N14 • DAF74002 • Detroit DFS93K217 • Deutz DQC CB-14 • Fendt • Fiat 9.55523 • Ford WSS-M97 B44-D • Foton Q-FPT 2313005-2013 • Great Wall • Hitachi • Irisbus Karosa • Isuzu • Jaguar CMR 8229 • Jaguar / Land Rover STJLR.651.5003 • Jenbacher TA 1000-2000 • John Deere JDM H5 • Kobelco • Komatsu 07.892 (2009) • Land Rover • Lancia 9.55523 • Leyland Trucks DW03245403 • Liebherr MD1-36-130 • Mack 014 GS 17009 • MAN 324 Typ SNF • MAN B&G A/S • MAN B&W AG D36 5600 • MAN Diesel & Turbo SE • Mazda MEZ MN 121 D • MB 325.3 • Mitsubishi Heavy Industry (MHI) • MTU MTL 5048 • Opel/GM GMW 3420 • Proton • Renault-Nissan Renault RNUR 41-01-001/--S Type D • Renault Trucks 41-01-001/--S Type D • Saab B040 1065 • Santana Motors • Saturn • Seat TL-774 D = G12 • Seat TL-774 F = G12+ • Skoda TL-774 D = G12 • Skoda TL-774 F = G12+ • Skoda 61-0-0257 • Suzuki • Tedom • Thermo King • Valtra • Van Hool • Vauxhall GMW 3420 • Volkswagen Semt Pielstick • Volkswagen TL-774 D = G12 • Volkswagen TL-774 F = G12+ • Volvo Construction • Volvo Penta • Volvo Trucks • Wärtsila 32-9011 • Wärtsila SAMC Diesel DLP799861 • Waukesha • Yanmar

Technical data

Base	ethylene glycols with inhibitors
Color / appearance	light red, clear
Density at 20 °C	1,1 g/cm³
Flash point	122 °C
Odor	weak
pH value	8,5
Boiling point	>163 °C
Recommended storage temperature	-20 - +35 °C
Shelf life in original sealed container	36 months

Areas of application

For all cooling systems and engines, in particular aluminum high-performance engines in passenger cars (both with combustion engines as well as in hybrid vehicles and battery electric vehicles), commercial vehicles, motorcycles, buses, agricultural and construction machinery as well as stationary engines and equipment that require cooling system protection of this quality. Particularly suitable for engines of the latest generation.

Application

Clean the cooling system with LIQUI MOLY Radiator Cleaner (part no. 3320). Then empty this and rinse with plenty of water. Fill with radiator antifreeze KFS 12+ and water according to the mixing table and the manufacturer's instructions. We recommend distilled water for this. Depending on water hardness and quality, dilution with tap water is also possible. Disposal according to the local regulations. Change interval according to manufacturer's instructions. Store undiluted only. Miscible with coolants based on ethylene glycol.

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MIXING TABLE

Frost protection	Water	Protection up to
1 part	2 parts	-20 °C
1 part	1 parts	-40 °C
2 parts	1 part	-68 °C

Available pack sizes

1 l Canister plastic	21145 D-GB
1 l Canister plastic	1381 GB-ARAB-F
5 l Canister plastic	21146 D-GB-I-E-P
20 l Canister plastic	21138 D-GB
60 l Black plate barrel	21147 D-GB
200 l Black plate barrel	21148 D-GB

Our information is based on thorough research and may be considered reliable, although not legally binding.

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