

LUKOIL ANTIFREEZE HD G12 K

Premium quality extended life antifreeze concentrate

APPROVALS

MTU MTL 5048, **MAN** 324 SNF

MEETS REQUIREMENTS

AS 2108-2004, **ASTM D** 3306, **ASTM D** 4985, **BS** 6580:2010, **CUNA NC** 956-16, **AFNOR NFR** 15-601, **JIS K** 2234:2006, **SAE J**1034, **SANS** 1251:2005, **ONORM** V 5123, **DAF** MAT 74002, **MB** 325.3, **Scania** TI 02-98 0813 T/B/M sv, **VW/Audi/Seat/Skoda** TL 774-D/F, **Bentley/Lamborghini** TL 774-F, **Deutz** DQC CB -14, **Porsche** (1996-2010), **Mini Cooper D** (2007-2010), **Ferrari** from 2010, **China** GB 29743-2013

DESCRIPTION

LUKOIL ANTIFREEZE HD G12 K is a premium quality extended life antifreeze concentrate.

LUKOIL ANTIFREEZE HD G12 K is formulated based on ethylene-glycol and hybrid anticorrosion additive package containing organic acid salts (Organic Acid Technology – OAT). The product is free from borates, silicates, nitrites amines and phosphates.

The use of carboxylates increases engine cooling efficiency and improves protection against corrosion and cavitation.

APPLICATION

LUKOIL ANTIFREEZE HD G12 K is recommended for year-round use in the cooling systems of the engines of commercial vehicles operated at ambient temperatures down to -40 °C. The product must be diluted with distilled water.

BENEFITS

- Increased anticorrosion protection of engine components made from metals and alloys as well as alloys based on aluminum, copper, brass and cast iron;
- Enables reliable vehicle operation at low temperatures in winter period as well as at high temperatures in summer due to the low freezing point and the high boiling point;
- Safe to seals and hoses;
- Absence of borates, silicates, nitrites amines and phosphates enables meeting requirements of the global environmental standards
- Extends life of engine, water pump, radiator and thermostat
- Recommended for engines of commercial vehicles
- Reduces costs of maintenance and repair of cooling systems
- The variable optimal concentration depending on operation conditions due to ability to be diluted in different ratios.

The product name in an order:

Coolant LUKOIL ANTIFREEZE HD G12 K, STO 79345251-008-2008

TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL ANTIFREEZE HD G12 K
Color		From lilac to purple
Density at 20 °C, kg/m ³	GOST 18995.1	1,123
Crystallization temperature, °C	GOST 28084	-40
Boiling temperature, °C	p.7.3 STO	160
pH at 20 °C	GOST 22567.5	8.4
Alkalinity, ml	GOST 28084	9.0

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International".