

LUKOIL ANTIFREEZE G12 RED

Extended Life Coolant

APPROVALS

KAMAZ PTC

MEETS REQUIREMENTS

ASTM D3306 / D 4656 / D 4985, **SAE** J 1034, **GOST** 28084-89, **Deutz/MWM** 0199-99-1115-MWM, **Fiat-Iveco** 55523/1, **MTU** MTL 5048, **Porsche** TL-VW 774 D = G 12, **Renault** RVI 41-01-001/- Q Type D, **VW** TL-VW 774 D/F = G 12/G12+, **DAF** 74002, **Ford** WSS-M97B44-D, **MAN** 324 SNF, **MB** 325.3

PRODUCT DESCRIPTION

LUKOIL ANTIFREEZE G12 RED is a modern low pour point coolant designed according to the carboxylate technology. It is intended for use in closed cooling systems of engines of passenger cars and commercial vehicles running at ambient temperatures lower -40 °C.

It provides effective protection against freezing, corrosion, scale formation and overheating for all modern engines, including aluminum under high load. The coolant is neutral to rubber and plastic sealing parts and rubber hoses.

LUKOIL ANTIFREEZE G12 RED contains carboxylates preventing corrosion and does not contain silicates, nitrites, phosphates, amines and borates. The usage of carboxylate technology provides increased effectiveness of engine cooling and reduces the effects of hydrodynamic cavitation. A thin protective layer is formed directly at points of corrosion contributing to increased effectiveness of heat transfer and to reduction of the additive consumption what prolongs the coolant service life.

APPLICATION

It is recommended for use in cooling systems of internal combustion engines of cars and trucks.

The product name in an order:

Coolant LUKOIL ANTIFREEZE G12 RED, STO 79345251-008-2008

TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL ANTIFREEZE G12 RED
Color	GOST 28084, 4.1	From pink to orange
Density at 20 °C, kg/m ³	GOST 18995.1	1,073
Chilling point, °C	GOST 28084, 4.3	-41
Boiling point, °C	p.7.3 STO	111
pH at 20 °C	GOST 22567.5, GOST 28084, 4.1	8.5
Alkalinity, ml	GOST 28084, 4.9	6.4
Corrosive impact on metals:		
- cuprum M-1 (or M-3), g/m ² day	GOST 28084, 4.5	0.01
- brass Л-68 (or Л-63), g/m ² day		0.01
- steel 08кп (or steel 20), g/m ² day		0
- braze ПОС 35, g/m ² day		0.07
- iron ОН-190, С4 24-44 (or С4 18-36), g/m ² day		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 ООО "LLK-International".