

# LUKOIL ANTIFREEZE G12 YELLOW

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 YELLOW** 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 YELLOW** 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

Recommended for use in cooling systems of internal combustion engines of cars and trucks.

The product name in an order:

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

## TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL ANTIFREEZE G12 YELLOW
Color	GOST 28084, 4.1	yellow
Density at 20 °C, kg/m <sup>3</sup>	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 <sup>2</sup> day	GOST 28084, 4.5	0.01
- brass Л-68 (or Л-63), g/m <sup>2</sup> day		0.01
- steel 08кп (or steel 20), g/m <sup>2</sup> day		0
- braze ПОС 35, g/m <sup>2</sup> day		0.07
- iron OH-190, C <sub>4</sub> 24-44 (or C <sub>4</sub> 18-36), g/m <sup>2</sup> 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".