

# LUKOIL COOLANT SOT

Red/violet, ethylene glycol based coolant concentrate

## APPROVALS

MAN 324 Typ Si-OAT  
 MB-Approval 325.5

## MEETS REQUIREMENTS

VW TL 744-G für VW, Audi, Skoda, Lamborghini, Bentley, Bugatti

## PRODUCT DESCRIPTION

**LUKOIL COOLANT SOT** is a latest generation nitrite, amine and phosphate free coolant. Its sophisticated inhibitor system guarantees safe, long-term protection against freezing and overheating and excellent corrosion protection for all modern engines operating under extreme conditions, even with total aluminium construction.

## APPLICATION

**LUKOIL COOLANT SOT** can be mixed with water in any ratio. It can also be mixed with standard coolants containing silicate, although it only retains its exceptional properties when mixed with distilled water. In principle, coolants should not be used undiluted. A 1:1 mixture with water provides protection against freezing to -40°C and 1:2 to -20°C.

## TYPICAL TEST DATA (CONCENTRATE)

Property	Unit	Method	LUKOIL COOLANT SOT
Appearance			Clear, red/violet liquid
Density /20 °C	kg/m <sup>3</sup>	ASTM D 1122	1123 - 1126
Flash point COC	°C	ISO 2592	>120
Boiling point	°C	ASTM D 1120	>160
PH value	mm <sup>2</sup> /s	ASTM D 1287	8,2 – 8,6
Reserve Alkalinity	ml	ASTM D 1121	8,0 – 11,0
Viscosity/20°C	%	DIN 51 777-1	>3

## TYPICAL TEST DATA (MIXTURE WITH WATER)

Property	Unit	Method	LUKOIL COOLANT SOT
Ice flock point			
50% in water	°C	ASTM D 1177	<-38
33% in water			<-18
Freezing point			
50% in water	°C	DIN 51 583	<-45
33% in water			<-23
Viscosity /0°C			
50% in water	mm <sup>2</sup> /s	DIN 51 562	8-10
33% in water			5-6
Viscosity /80°C			
50% in water	mm <sup>2</sup> /s	DIN 51 562	0,9 – 1,1
33% in water			0,6 – 0,8
Foam test after 1-3 seconds	ml	VW TL 744-G	<20/5
Loss of weight during corrosion testing on	g/m <sup>2</sup>	VW TL 744-G	passed

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\* This document supersedes all previous versions

Further information can be obtained from Technical Marketing Service Lubricants [technics.lubes@lukoil.com](mailto:technics.lubes@lukoil.com)

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member of::



copper, tin solder, brass, steel, grey iron, cast aluminium			
Density compatibility; source standard SBR and EPDM elastomere 80°C/168h (1:1 in water)	%		0-3 (=Größenordnung von reinem Wasser)

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"

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