

LUKOIL COOLANT SF

Violet, ethylene glycol based coolant concentrate

APPROVALS

MAN 324 - SNF
MB-Approval 325.3
MTU MTL 5048

MEETS REQUIREMENTS

PORSCHE
Renault
Scania T1 02-98 0813 T/B/M sv
VW (G12+) TL 774 -D/F

PRODUCT DESCRIPTION

LUKOIL COOLANT SF is a latest generation nitrite, amine, phosphate and silicate 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 SF 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 SF
Appearance			Clear, violet liquid
Density/20°C	kg/m ³	ASTM D 1122	1120 - 1125
Flash point COC	°C	ISO 2592	>120
Boiling point	°C	ASTM D 1120	>160
PH value		ASTM D 1287	8,2 – 8,6
Refraction index Dn20°C		DIN 51 423	1,432 – 1,436
Viscosity/20°C	mm ² /s	DIN 51 562	22 - 26

TYPICAL TEST DATA (MIXTURE WITH WATER)

Property	Unit	Method	LUKOIL COOLANT SF
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 ² /s	DIN 51 562	8-10
33% in water			5-6
Viscosity /80°C			
50% in water	mm ² /s	DIN 51 562	0,9 – 1,1
33% in water			0,6 – 0,8
Foam test after 1-3 seconds	ml	ASTM D 1881	<50
Loss of weight during corrosion testing on copper, tin solder, brass, steel, grey iron, cast	mg/cm ²	ASTM D 1384	all <4,0

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* This document supersedes all previous versions

Further information can be obtained from Technical Marketing Service Lubricants technics.lubes@lukoil.com

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aluminium			
Density compatibility; source standard SBR and EPDM elastomere 80°C/168h (1:1 in water)	%		0-3 (=same order of magnitude as pure water)

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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