

# LUKOIL COOLANT SOT

Red/violet, ethylene glycol based coolant concentrate

## APPROVALS

MAN 324 Typ Si-OAT  
 MB 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 copper, tin solder, brass, | g/m <sup>2</sup>   | VW TL 744-G | erfüllt            |

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\* This document supersedes all previous versions

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member of::



|   |   |  |  |
|---|---|--|--|
| 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"