

Product Data

Castrol Optimol Suspension SU

High-temperature lubricant with MoS₂ based on synthetic oil

Description

OPTIMOL™ SUSPENSION SU is a liquid high-temperature lubricant with stabilized, colloidal molybdenum disulphide. The temperature-resistant, synthetic base oil evaporates at about +200°C/+392°F with hardly any residue formation. It leaves a solid lubricant film with an outstanding load carrying capacity. It is excellently suited for lubrication up to about +450°C/+842°F, especially where sliding friction occurs.

Application

- For oil lubrication points exposed to high temperatures:
- in metallurgical plants, steel works and rolling mills
- on furnace chains, travelling grates, hinges, joints, tipping devices in drying systems
- in enamelling, smelting and annealing furnaces of the metal, glass and ceramics industries
- in baking ovens of large industrial bakeries
- Temperature application range:
fluid lubrication up to about + 200°C/+392°F
dry lubrication up to about + 450°C/+842°F

Advantages

- OPTITEC® - CASTROL technology
- excellent emergency running properties due to especially selected solids
- reduces friction and wear even at high temperatures
- pressure-resistant fluid and dry lubricating film
- filterable, sprayable
- oxidation-resistant, fully stabilized

Typical Characteristics

Test	Method	Unit	Value
CASTROL OPTIMOL SUSPENSION	-	-	SU
Colour	visual	-	greyish-black
Base	-	-	polyglycol/MoS ₂
Density at + 15°C/+ 59°F	DIN 51757	kg/m ³	1030
Kin. viscosity at + 40°C/+ 104°F	DIN 51562	mm ² /s	190
Pour point	DIN ISO 3016	°C	-33
		°F	27.4
Flash point	DIN ISO 2592	°C	> 230
		°F	> 446

1 mm²/s $\hat{=}$ 1cSt

Subject to usual manufacturing tolerances

Additional Information

- OPTIMOL SUSPENSION SU must not be mixed with oils or lubricating greases!
- Clean lubrication points with solvent before application.
- Apply OPTIMOL SUSPENSION SU sparingly with brush, spray gun, drip-feed lubricator or oil can.
- Depending on the application, a pretreatment of the machine parts to be lubricated with OPTIMOL PASTE PU may be of advantage.

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