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SP 240

Fluorinated grease for railway subsets

DESCRIPTION

SP 240 is a fully synthetic fluorinated lubricant formulated for high performance requirements in a wide temperature range (from -60°C up to +200°C).

Primarily recommended for applications under severe duty conditions, the product is an effective solution also for the lubrication of open gears and sliding movements.

SP 240 ensures powered anti-wear and EP properties. The PTFE additive provides a high reduction of the friction coefficient filling any surface micro-roughness and reducing the contact between the metallic counterparts without hampering the proper mechanical function.

APPLICATION

Due to its outstanding features, **SP 240** is specifically recommended to be applied under severe duty conditions as very high or very low temperatures and relevant mechanical stress.

The product has been selected and approved by SPII-Schaltbau for the hereunder key application:

- ✓ Drive desk: master control lubrication
- ✓ Circuit breaker: contact surfaces lubrication

Strict tests have been performed by SPII labs under heavy duty condition on circuit breakers lubricated with **SP 240**. An opening-closing cycles series has been continuously run for an extremely high number of manoeuvres. Tests at temperature significantly lower than 0°C have been also carried out successfully.

The constant measurement of the wear levels proved the excellent protective properties of **SP 240**.

The electrical conductivity measured on the contacts lubricated with **SP 240** has been regularly found within the range.

The drive controls lubrication with **SP 240** can be considered lifelong.

TYPICAL PROPERTIES

- ✓ High speed factor
- ✓ High adhesiveness and long service time
- ✓ High resistance to water washout
- ✓ Outstanding antiwear and EP properties
- ✓ Extremely resistant to oxidation
- ✓ Excellent lubrication at very low and very high temperature
- ✓ High resistant to mechanical stress
- ✓ Insoluble in solvents and acids
- ✓ Not flammable
- ✓ Compatible with the most part of plastics and elastomers

USE GUIDELINES

Apply the needed quantity using a brush. To obtain the proper lubrication and to preserve the product properties, clean carefully the surface removing any oily or greasy residue and any dirt preventively.

Do not mix **SP 240** with other grease.

HANDLING AND STORAGE

The product must be stored in a cool and dry place. The average shelf life in the original package and properly stored is approx. of 5 years. Please refer to the Material Safety Data Sheet before use.

TYPICAL DATA

Colour	white	DIN ISO 2049
Base fluid	PFPE	
Thickener	PTFE	
Density at 20 °C	≈ 1,9 g/cm ³	
Base fluid viscosity at 40 °C	160 mm ² /s	DIN 51562
Oil separation, 30h at 200°C	11% by weight	ASTM 6184
Base fluid viscosity index	325	DIN ISO 2909
Consistency class - NLGI	2	DIN 51818
Worked penetration at 25 °C	265 - 295 mm 10 ⁻¹	DIN ISO 2137
4 ball weld load	> 7000 N	DIN 51350-4
Temperature range	- 60 a + 200 °C	

PACKAGING

SP 240 is supplied as 90 g tubes packaged in 10 pcs box.

Note

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