

## ***Lubrication of a high-performance track laying machine***

### **High-Temperature Multipurpose Grease**



#### **Advantages and benefits**

- Temperature range up to 160 °C
- Low content of solid lubricants
- High resistance to water & steam
- Under corrosive operating conditions
- Excellent compatibility to plastic
- Mo<sub>x</sub>-Active as high-pressure additive
- Through higher base-oil viscosity:
  - highly adhesive and long-acting
  - noise damping
  - highly suitable at low speeds

In track laying machines the integrated tools work at high speeds and temperatures. Normal lithium greases are not able to meet the demands placed on. Higher-quality multipurpose greases with high-pressure additives also fail after a short time. At lubrication points subjected to high stresses unsuitable lubricants rapidly have the effect that they begin to leak out of the lubrication point or are flung out. Suitable thickeners and high-pressure additives can effectively prevent the failure of a bearing and the resultant loss in time and money. The extended lubrication intervals allow a reduction in the amount of lubricants – leading to a reduction in costs compared to conventional lubricants. The extended lubrication intervals allow a reduction in the amount of lubricants – leading to a reduction in costs compared to conventional lubricants. Thus the choice of a higher-quality lubricant can produce an economic advantage.



#### **Product description**

OKS 420 is based on a mineral oil with an increased viscosity. The drop point lies much higher than at lithium soap greases. Mo<sub>x</sub>-Active which is a very high quality high-pressure additive is used, thus increasing the anti-wear properties notably. The application temperature lies between -20 °C and 160 °C. Thanks to its modern thickener polycarbamide this grease can be used universally and is excellently suitable for applications with high demands.

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### Example of use: High-Temperature Multipurpose Grease

Europool is a German company with decades of experience in track laying that is playing an increasing role international.

Track laying machines are subject to very high demands. The aligning and ballast tamping machine exert a strong pressure on the ballast substructure when the sleepers are

fastened. The multipurpose grease used in the past became fluid and was flung out of the bearing package. With OKS 420 the lubricating intervals could be extended markedly, the grease remains in the bearings and resists the high pressures, vibrations and knocks.



### Further OKS products for the track laying industry

<b>OKS 2511</b>	For protecting metal parts against corrosion
<b>OKS 420/00</b>	OKS 420 as a fluid grease, e.g. for open gears and gearwheels
<b>OKS 641</b>	For rust removal, cleaning and ensuring smooth running
<b>OKS 701</b>	For lubrication, for example of locks or fine mechanical parts
<b>OKS 2611</b>	For cleaning the lubrication points before use of the lubricants
<b>OKS 2621</b>	For cleaning electrical contacts and switches
<b>OKS 2650</b>	For cleaning plastic parts that may not be cleaned with solvent-based cleaners