



Motak[®]

Efficient performance gear, bearing and wire rope lubricant

Product description

Motak is an efficient performance lubricant for gears, bearings and wire ropes used in the rail industry.

Motak is a special adhesive lubricant prepared from residual base stocks and blended with fatty oils designed to help increase lubricity.

Customer benefits

- Robust adhesive film helps protect components under challenging operating conditions
- Suitable for lubricating a range of rail locomotive components
- Formulated to improve ease of application

Applications

- Motak is recommended for use on exposed open gearing, bearings, wire ropes, sheaves and pulleys operating under tough conditions where a tacky adhesive lubricant film is required.
- The fatty oil increases lubricity hence its suitability for wet conditions. The fatty oil also reduces the natural viscosity of the residual stock making the product easier to apply.
- Motak was originally developed as a Universal Traction Motor Gear lubricant for diesel and locomotives for British Rail. It can be used for both solid and resilient gears.

Product highlights

- **Robust adhesive film**
- **Suitable for a range of conditions**
- **Formulated for ease of application**

Selected specification standards include:

DIN	
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Approvals, performance and recommendations

Performance

	DIN 51 513	Operating temperature
Motak	BC	-20°C up to 60°C

Recommendations

Motak is specially designed to lubricate the traction motor gear cases of diesel and electric locomotives, and was originally developed in this application for British Rail. It can be used for both solid and resilient gears.

Typical test data		
Test	Test Methods	Results
Shelf Life: 36 months from date of filling indicated on the product label		
Base oil type		Mineral/bitumen
Appearance, texture	Visual	Viscous tacky, black
Base oil viscosity at 100°C, mm ² /s	ASTM D445	190 - 230
Density at 15°C, kg/l	ASTM D4052	0.935
Flash Point, COC, °C, min	ASTM D92	176

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. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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