



# Crater<sup>®</sup> 2

## Efficient performance railroad locomotive gear lubricant

### Product description

Crater 2 is a bituminous gear lubricant for use in the rail industry. It is formulated to provide a durable lubricating film that offers long-term gear protection.

### Customer benefits

- Helps minimise wear by providing a durable lubricating film resistant to throw-off
- Efficient, long-term gear wear protection across a range of operating conditions
- Robust lubrication for highly loaded gears

### Applications

- Crater 2 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.
- The extremely tacky nature of Crater 2 necessitates the packaging of these products in sealed one-pound polyethylene bags. The sealed bags are to be added to the top opening of the traction motor gear case. Because the whole bag is added to the gear case, waste is minimized. Otherwise, normal handling procedures should be observed as with any petroleum based products.
- Crater 2 is also available in cartridges.

### Product highlights

- **Durable lubrication helping to minimise wear**
- **Designed for use under a range of operating conditions**
- **Robust protection under high loads**

#### **Selected specification standards include:**

DIN

## Approvals, performance and recommendations

### Performance

	DIN 51 513	Operating temperature
Crater 2	BC	-20°C up to 60°C

### Recommendations

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Typical test data		
Test	Test Methods	Results
<b>Shelf Life: 12 months from date of filling indicated on the product label</b>		
Base oil type		Mineral/bitumen
Appearance, texture	Visual	Viscous tacky, black
Base oil viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	360 - 430
Density at 15°C, kg/l	ASTM D4052	0.988
Flash Point, COC, °C	ASTM D92	260

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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