



**Canoil Canada Ltd.**

“MEETING TOMORROW’S NEEDS TODAY”

## **Canoil Wire Rope & Open Gear EP1 Grease**

### ***PRODUCT DESCRIPTION:***

***Canoil Wire Rope & Open Gear EP1 Grease*** uses a state of the art calcium sulphonate thickener to give outstanding performance. This technology is characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear, and excellent resistance to water, heat and corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as Lithium Complex, Aluminum Complex and Polyurea.

### **KEY FEATURES:**

- Thermal and Mechanical Stability
- Load Carrying & Wear Protection inherent in the EP & AW properties of the thickener
- Corrosion Resistance
- Resistance to Oxidation
- Excellent resistance to Water Wash Out
- Formulated for enhanced adhesion and resistance to water
- Environmentally friendly due to no heavy metals or other aggressive additives harmful to the environment

### **CUSTOMER BENEFITS:**

- ***Canoil Wire Rope & Open Gear EP1 Grease*** can lower maintenance costs as a result of its enhanced formulation to resist wash out, improve adhesion, and resist cracking.
- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- High dropping point, typically in excess of 300 °C (575 °F)
- Performs well in low ambient temperature applications
- Excellent EP and AW properties inherent in the thickener without the use of additional additives enhancing high temperature and pressure capability
- Sulfonates are known and used for their excellent rust prevention properties and this property is inherent in the thickener
- Excellent resistance to water washout and will easily outperform all other technologies

### **APPLICATIONS**

**Canoil Wire Rope & Open Gear EP1 Grease** is a partial synthetic open gear grease. It is designed to provide superior load carrying capacity, spreadability, and pumpability. It is well suited for use on heavily loaded gears on bucket shovels and draglines and performs well on swing racks, dipper sticks, and most other lubrication points on this equipment. It should only be used in slow speed, heavily loaded bearings. It is also very suitable as a wire rope dressing / lubricant. It will not crack at low temperatures. It does not contain solvent or asphalt. It may be applied by brush or by pressurized collar.

**PACKAGING:**

Drums 400 lb / 180 kg, pails 35lb / 17 kg, kegs 120lb / 55 kg and 14.1 oz / 400 gram tubes

**Typical Properties:**

Product Number	Canoil Wire Rope & Open Gear EP1 Grease	Test Method
NLGI Grade	1	ASTM D217
Colour	Black	Visual
Texture	Smooth	Visual
Type of Thickener	Calcium Sulphonate Complex	ASTM D128
Dropping Point, °C/F°	260 / 500	ASTM D2265
Consistency, 60 Strokes	325	ASTM D217
Base Oil Viscosity, cSt @ 40°C	232	ASTM D445
Mechanical Stability Worked 100,000 strokes, % change	2.2	ASTM D217
Worked 10,000 strokes, with 50/50 water, %	7.7	
Timken OK Load kg/lb	25.0 / 55.0	ASTM D 2509
4-Ball EP: LWI, kgf	65	
Weld Point, kg	500	ASTM D 2266
4-Ball Wear, mm	0.42	ASTM D 2266
Rust Prevention	Pass	ASTM D 1743
Salt Fog Corrosion, 1mil d.f.t., hours	>1000	ASTM B117
Copper Corrosion	1B	ASTM D 4048
Bomb Oxidation, psi drop, after 1000 hours	6.0	ASTM D942
Oil Separation. % loss	0.1	ASTM D1742

<b>Water Washout @ 80°C/175 °F, % loss</b>	<b>1.0</b>	<b>ASTM D 1264</b>
<b>Resistance to Water Spray, % retained</b>	<b>60</b>	<b>GM 9076P</b>
<b>Mobility @ -18 °C, g/minute</b>	<b>6.6</b>	<b>US Steel Method</b>

*Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.*

**Health and Safety:**

*When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, [www.canoilcanadald.com](http://www.canoilcanadald.com) or call toll free 1-855-520-2022. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.*

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