



**Canoil Canada Ltd.**

“MEETING TOMORROW’S NEEDS TODAY”

## **Canoil Moly EP1 and EP2 Grease**

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

***Canoil Moly EP 1 and EP2 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 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:**

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- Load Carrying & Wear Protection inherent in the EP & AW properties of the thickener
- Corrosion Resistance
- High Dropping Point
- Formulated with 5% MoS for additional load carrying capabilities
- Excellent resistance to Water Wash Out
- Proven premium performance antioxidant
- Does not use Chlorine, Phosphorous, Free Sulfur, Lead, Antimony, Zinc or Barium

### **CUSTOMER BENEFITS:**

- ***Canoil Moly EP1 Grease*** can lower maintenance costs as a result of reduced product breakdown under low to moderately high shear conditions
- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- Reduces bearing, pin and bushing wear, extends equipment life and protects bearings under heavy loads – very high weld point
- Stays in place in wet and marine applications
- High dropping point
- Excellent EP and AW properties inherent in the thickener enhanced with 5% MoS
- 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 Moly EP 1 Grease** was designed as a heavy duty grease for off-road, construction and mining equipment. It is formulated with an ISO150 petroleum base oil package for cost effective performance. It is formulated to provide improved pumpability over other MoS greases offered.

### 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	Moly EP 1 Grease	Moly EP 2 Grease	Test Method
NLGI Grade	1	2	ASTM D217
Colour	Grey	Grey	Visual
Texture	Smooth	Smooth	Visual
Type of Thickener	Calcium Sulphonate Complex	Calcium Sulphonate Complex	ASTM D128
Dropping Point, °C/F°	318 / 605	318 / 605	ASTM D2265
Consistency, 60 Strokes	325	280	ASTM D217
Molybdenum disulfide content %	5.0	5.0	
Base Oil Viscosity, cSt @ 40°C	150	150	ASTM D445
Mechanical Stability Worked 100,000 strokes, % change	3.0	2.5	ASTM D217
Roll Stability, 50 % water, % change in pen	-18	-15	ASTM D1831
Timken OK Load kg/lb	31.7 / 69.74	31.7 / 69.74	ASTM D 2509
4-Ball EP: LWI, kgf	90	105	
Weld Point, kg	620	800	ASTM D 2266
4-Ball Wear, mm	0.47	0.49	ASTM D 2266
Rust Prevention	Pass	Pass	ASTM D 1743
Salt Fog Corrosion, 1mil d.f.t., hours	>2000	>2000	ASTM B117
Copper Corrosion	1B	1B	ASTM D 4048
Bomb Oxidation, psi drop, after	9.0	9.0	ASTM D942

<b>1000 hours</b>			
<b>Oil Separation. % loss</b>	<b>0.2</b>	<b>0.2</b>	<b>ASTM D1742</b>
<b>Water Washout @ 80°C/175 °F, % loss</b>	<b>0.5</b>	<b>0.05</b>	<b>ASTM D 1264</b>
<b>Low Temperature Torque, @-40°C, Nm</b>	<b>8.0</b>	<b>9.5</b>	<b>ASTM D 4693</b>
<b>Low Temperature Torque, @-32°C, Nm</b>	<b>Start 4700 60 minutes 780</b>	<b>Start 6800 60 minutes 1100</b>	<b>ASTM D 1478</b>
<b>Low Temperature Mobility, g/min @ 150 psi</b>	<b>-18 °C (0° F) 27.5 -23 °C ( -10° F) 12.5 -29 °C (-20° F) 4.5</b>	<b>-18 °C (0° F) 12.5 -23 °C ( -10° F) 5.50 -29 °C (-20° F) 2.50</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.canoilcanadalt.com](http://www.canoilcanadalt.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.*

**Canoil Canada Ltd.**

2525 Dunwin Drive Unit 8

Mississauga, Ontario, Canada L5L 1R9

905 820-2022 Toll Free 1-855-520-2022 Fax 905 820-9119 [www.canoilcanadalt.com](http://www.canoilcanadalt.com)