



Canoil Canada Ltd.

“MEETING TOMORROW’S NEEDS TODAY”

Canoil Low Temperature EP 1 Grease

PRODUCT DESCRIPTION:

Canoil Low Temperature EP 1 Grease technologically patented and advanced grease has been developed by complexing modified overbased calcium sulphonates. This product combines three areas of superior high technology chemistries namely: use of low viscosity base oils in a soft grade of grease, a proven antioxidant chemistry that out performs other greases, and the latest in calcium sulphonate complex grease thickeners. These chemistries are characterized by exceptional thermal and mechanical stability, high dropping point, improved resistance to oxidation, high load carrying and wear protection and excellent resistance to water and corrosion. The use of low viscosity base oil and a soft grade provides much better mobility at low temperatures, considerably reduces wear and friction, reduces maintenance costs and reduces grease consumption. 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
- Environmentally friendly due to no heavy metals or other aggressive additives harmful to the environment

CUSTOMER BENEFITS:

- **Canoil Low Temperature EP 1 Grease** is formulated to provide low temperature mobility and performance
- Superior mechanical stability versus other thickeners, particularly in the presence water
- Reduces bearing wear, extends equipment life and protects bearings under heavy loads
- Stays in place in wet and marine applications
- High dropping point
- Excellent EP and AW properties inherent in the thickener
- Sulfonates are known and used for their excellent rust prevention properties and this property is inherent in the thickener
- The use of premium antioxidants ensures excellent thermal and oxidation stability

Issued October 2018
Revision: Rev1.0 October 2018

- Excellent resistance to water washout and will easily outperform all other technologies

APPLICATIONS

Canoil Low Temperature EP 1 Grease is a multipurpose industrial bearing grease formulated using low viscosity mineral oil in a soft grade and is specifically designed to work well at low temperatures. It is suitable for high speed bearings, as well as low temperature applications.

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 Low Temperature EP 1 Grease	Test Method
NLGI Grade	1	ASTM D217
Colour	Tan	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	23	ASTM D445
Mechanical Stability Worked 100,000 strokes, % change	2.5	ASTM D217
Worked 10,000 strokes, with 50/50 water, %	8.2	
Timken OK Load kg/lb	25.0 /55.0	ASTM D 2509
4-Ball EP: LWI,kgf	55	ASTM D2596
Weld Point, kg	400	
4-Ball Wear, mm	0.42	ASTM D 2266
Fretting wear, mg	5.7	ASTM D4170
Rust Prevention	Pass	ASTM D 1743
Salt Fog Corrosion, 1mil d.f.t., hours	>1000	ASTM B117
Copper Corrosion	1B	ASTM D 4048
Wheel Bearing Leakage, g	6.5	ASTM D 4290
Bomb Oxidation, psi drop, after 1000 hours	9.0	ASTM D942
Oil Separation. % loss	0.5	ASTM D1742

Oil Separation, Cone Bleed @ 100°C % loss	3.5	ASTM D1264
Water Washout @ 80°C/175 °F, % removed	0.5	ASTM D 1264
Low Temperature Torque @ -40°C, Nm	2.5	ASTM D 4693

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.canoilcanadaltd.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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