



Canoil Canada Ltd.

“MEETING TOMORROW’S NEEDS TODAY”

Canoil Heavy Duty EP2 Grease

PRODUCT DESCRIPTION:

Canoil Heavy Duty EP2 Grease is technologically patented and advanced grease that has been developed by complexing modified overbased calcium sulphonates. This technology combines three areas of superior high technology chemistries namely: use of ultra high purity Group II and Group III base oils, 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. This technology in many ways equals and outperforms other premium high temperature greases such as Lithium Complex, Aluminum Complex and Polyurea type greases.

Canoil Heavy Duty EP2 Grease contains no heavy metals or other harmful or environmentally undesirable additives such as sulfur, phosphorus, chlorine, zinc, phenols, antimony, barium or lead.

KEY FEATURES:

- Thermal and Mechanical Stability
- Load Carrying & Wear Protection
- Corrosion Resistance
- Resistance to Oxidation
- Resistance to Water, maintains consistency after absorbing water
- Low temperature hand-gun dispensing capability
- Environmentally friendly due to no heavy metals or other aggressive additives harmful to the environment
- Exceeds the requirements of NLGI GC/LB certification

CUSTOMER BENEFITS:

- **Canoil Heavy Duty EP2 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 wear, extends equipment life and protects bearings under heavy loads
- Stays in place in wet and marine applications
- 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
- The use of premium antioxidants and high-performance low viscosity PAO ensures excellent thermal and oxidation stability prolonging bearing life
- Excellent resistance to water washout and will easily outperform all other technologies

APPLICATIONS:

Canoil Heavy Duty EP2 Grease exceeds the requirements of NLGI GC/LB certification and is suitable for use in automotive, industrial, construction, agricultural, railroad, and mining operations. This grease is the best choice for operational use in the following applications:

All chassis points for automotive	Wheel bearings
Fifth wheels	King pins
Anti-friction bearings	Low and high-speed journal bearings
Oven conveyors	Electric motor bearings
Steel mill roller bearings	Form and earth-moving equipment
Severe industrial applications such as pulp, steel mills.	

PACKAGING:

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

Typical Properties:

Product Number	Canoil Heavy Duty EP2 Grease	Test Method
NLGI Grade	2	ASTM D217
Colour	Tan	Visual
Texture	Smooth	Visual
Type of Thickener	Calcium Sulphonate Complex	ASTM D128
Dropping Point, °C/F°	318 / 605	ASTM D2265
Consistency, 60 Strokes	280	ASTM D217
Base Oil Viscosity, cSt @ 40°C	125	ASTM D445
Mechanical Stability Worked 100,000 strokes, % change	2.4	ASTM D217
Worked 10,000 strokes, with 50/50 water, %	8.0	
Timken OK Load kg/lb	27.2 / 59.8	ASTM D 2509
4-Ball EP: LWI, kgf	80	

Weld Point, kg	620	ASTM D 2266
4-Ball Wear, mm	0.40	ASTM D 2266
Fretting Wear, mg	6.0	ASTM D4170
Rust Prevention	Pass	ASTM D 1743
Salt Fog Corrosion, 1mil d.f.t., hours	>1000	ASTM B117
Wheel Bearing Leakage, g	4.0	ASTM D 4290
Bearing Life Performance, hours	100	ASTM D3527
Bomb Oxidation, psi drop, after 1000 hours	9.0	ASTM D942
Oil Separation. % loss	0.2	ASTM D1742
Low Temperature Torque @-40 °C, Nm	10.0	ASTM D4693
Water Resistance @80 °C, % removed	1.0	ASTM D1264

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 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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