



Canoil Canada Ltd.

“MEETING TOMORROW’S NEEDS TODAY”

Canoil H1 Food & Beverage EP2 Grease

PRODUCT DESCRIPTION:

Canoil H1 Food & Beverage EP2 Grease is a 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 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, high load carrying and reduced wear with 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.

KEY FEATURES:

- Thermal and Mechanical Stability
- Load Carrying & Wear Protection inherent without EP and AW additives
- Corrosion Resistance
- Resistance to Oxidation, formulated with a White Oil
- Formulated for enhanced resistance to water, maintains consistency after absorbing water
- Environmentally friendly due to no heavy metals or other aggressive additives harmful to the environment
- Contains no colorants

CUSTOMER BENEFITS:

- ***Canoil H1 Food & Beverage 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 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 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 H1 Food & Beverage EP2 Grease is an H1 grease for incidental contact with food. It is designed for use in all food processing operations including:

Mixing	Stirring	Baking
Frying	Cooking	Cleansing
Packaging	Canning	Bottling

PACKAGING:

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

Typical Properties:

Product Number	Canoil H1 Food & Beverage 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	100	ASTM D445
Mechanical Stability Worked 100,000 strokes, % change	-1.0	ASTM D217
Roll Stability, 50% water, % change in pen	2.1	ASTM D1831
Timken OK Load kg/lb	29.2 / 64.2	ASTM D 2509
4-Ball EP: LWI, kgf	55	
Weld Point, kg	400	ASTM D 2266
4-Ball Wear, mm	0.45	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
Wheel Bearing Leakage, g	1.0	ASTM D 4290
Bearing Life Performance, hours	180	ASTM D3527
Bomb Oxidation, psi drop, after 1000 hours	5.0	ASTM D942
Oil Separation. % loss	0.1	ASTM D1742
Water Washout @ 80°C/175 °F, % loss	0.3	ASTM D 1264
Low Temperature Torque, @-18 C, g-cm	Start 1000 60 minutes 250	ASTM D1478
Low Temperature Torque, @-40 C, N-m	11.0	ASTM D4693
Mobility @ 150 psi, -18 C, g/minute	22.0	US Steel Method

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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