



Canoil Canada Ltd.

“MEETING TOMORROW’S NEEDS TODAY”

Canoil H1 Synthetic EP2 Grease

PRODUCT DESCRIPTION:

Canoil H1 Synthetic 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 Poly-alpha olefin synthetic base oils, a proven antioxidant chemistry that out performs other greases and it has the latest in calcium sulphonate complex grease thickeners. These chemistries are characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear and excellent resistance to water and corrosion. This technology in many ways 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 in the EP & AW properties of the thickener
- Corrosion Resistance
- Formulated with a high quality PAO 100 VG base oil to provide a wide temperature operating range and enhanced thermal and oxidation stability
- Excellent resistance to Water Wash Out
- High Dropping Point
- Proven premium performance antioxidant
- Environmentally friendly due to no heavy metals or other aggressive additives harmful to the environment

CUSTOMER BENEFITS

- **Canoil H1 Synthetic EP2 Grease** lowers maintenance costs as a result of reduced product breakdowns under low to moderately high shear conditions
- Reduces bearing wear and extends equipment life and protects bearings under heavy loads
- Excellent performance in the presence of water
- Superior performance at elevated temperatures and periods of infrequent lubrication
- Stays in place in wet machinery plant applications
- Maintains consistency after absorbing water
- Excellent resistance to washout and wide temperature / pressure range
- Low temperature hand-gun dispensing capability
- Performs well in low ambient temperature applications
- Great rust and corrosion protection

APPLICATIONS:

Canoil H1 Synthetic EP2 Grease is a mid-viscosity synthetic H1 formulation designed to provide superior performance at elevated temperatures and during periods of infrequent lubrication in food processing applications. It can be used in medium to high speed bearings, sealed for life bearings, and in most extended life operations.

PACKAGING:

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

Typical Properties:

Product Number	Canoil H1 Synthetic EP2 Grease	Test Method
NLGI Grade	2	ASTM D217
Consistency, 60 Strokes	280	ASTM D217
Type of Thickener	Calcium Sulphonate Complex	ASTM D128
Colour	Tan	Visual
Texture	Smooth	Visual
Dropping Point, °C/F°	318 / 605	ASTM D 2265
Base oil Viscosity, cSt @ 40°C	100	ASTM D445
Mechanical Stability Worked 100,000 strokes, % change	4.8	ASTM D217
Timken OK Load kg/lb	27.2 / 59.8	ASTM D 2509
4-Ball: LWI, kgf	55	ASTM D2596
Four Ball EP Weld PT kg	400	
Four Ball Wear Scar Diameter, mm	0.4	ASTM D 2266
Rust Test Rating	pass	ASTM D 1743
Salt Fog Corrosion, 1mil d.f.t., hours	>1000	ASTM B117
Copper Corrosion	1B	ASTM D 4048
Bearing Life Performance, hours	240	ASTM D3527
Wheel Bearing Leakage, g	3.8	ASTM D 4290
Bomb Oxidation, psi Drop, after 1000 Hrs	6.0	ASTM D942
Oil Separation. % loss	0.1	ASTM D1742
Water Washout @ 80°C/175 °F, % removed	0.5	ASTM D 1264
Low Temperature Torque, @ -40 ° C, Nm	3.5	ASTM D 4693
Mobility @ -18 C. g/minute	30	US Steel

Low Temperature Torque, @ -18 ° C, g-cm	Start	600	ASTM D1478
	60 minutes	125	
Low Temperature Torque, @ -40 C, g-cm	Start	6000	ASTM D1478
	60 minutes	900	

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.

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