



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

www.hi-tecoils.com.au

PRODUCT DATA SHEET

CALCIUM SULPHONATE GREASE

DESCRIPTION

Hi-Tec Calcium Sulphonate Grease is a heavy-duty multipurpose industrial bearing grease. It is specifically designed to perform well under the harshest conditions found in marine environments, steel mills, pulp and paper mills and other similar industries. It is ideally suited to applications where heat, water and extreme loads are encountered.

Hi-Tec Calcium Sulphonate Grease is a technologically advanced grease that has been developed using modified overbased calcium sulphonates. It is characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear, and excellent resistance to water and corrosion. This grease will equal and in many ways outperform other premium, high temperature greases based on lithium complex, aluminium complex and polyurea thickeners. As well as being ideal for high temperature work, it exhibits excellent low temperature performance to temperatures of -20°C .

CHARACTERISTICS

Thermal and Mechanical Stability

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- High dropping point, typically in excess of 300°C

Load Carrying & Wear Protection

- Excellent EP and AW properties inherent in the thickener
- Does not require the use of additional additives

Resistance to Water

- Excellent resistance to water washout and spray-off

Corrosion Resistance

- Sulphonates are known and used for their excellent rust prevention properties
- Will easily outperform all other technologies

Resistance to Oxidation

- The use of a premium antioxidant and a high quality oil ensures excellent thermal and oxidation stability



AUSTRALIAN FAMILY OWNED SINCE 1989





Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

www.hi-tecoils.com.au

PRODUCT DATA SHEET

<u>TYPICAL CHARACTERISTICS</u>	<u>ASTM</u>	<u>VALUE</u>
NLGI		2
Appearance		Tan
Gelling Agent		Calcium Sulphonate Complex
Penetration, Worked @ 25 °C	D217	280
After 100,000, % change		2.3
After 10,000, 50% with water, % change		8.0
Dropping Point, min °C	D2265	318
Timken OK Load, kg	D2509	27.2
4-Ball EP LWI, kgf	D2596	62
Weld Point, kg		500
4-Ball Wear, mm	D2266	0.40
Rust Test, rating	D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	B117	>300
Copper Corrosion, rating	D4048	1B
Wheel Bearing Leakage, grams	D4290	4.0
Bearing Life Performance, hours	D3527	160
Bomb Oxidation, psi drop after 1000 hours	D942	9.0
Water Washout at 80°C, % lost	D1264	1.0
Resistance to Water Spray, % retained	D4049	80
Oil Separation, % loss	D1742	0.2
Mobility @ -18°C, g/minute US Steel Method		5.5

Product Code: HI7-1025-

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner. Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

Effective: 8 March 2013

Expires: 8 March 2015

GH313080/2



AUSTRALIAN FAMILY OWNED SINCE 1989

