PETRO-CANADA LUBRICANTS

AN HF SINCLAIR BRAND

TECH DATA

PEERLESS™ 3 MOLY 322

CALCIUM SULFONATE COMPLEX GREASE

INTRODUCTION

Petro-Canada Lubricants' PEERLESS 3 MOLY 322 is a premium performance grease containing 3% molybdenum disulphide. The outstanding performance of PEERLESS 3 MOLY 322 results in lower operating costs by reducing the re-greasing frequency, even during warm weather.

The exceptional mechanical stability of PEERLESS 3 MOLY 322, coupled with its high dropping point, and high load carrying performance help to ensure long component life and excellent wear protection in low speed, high load and high temperature environments subjected to shock loading and vibration.

FEATURES AND BENEFITS

Thermal and Mechanical Stability

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- High dropping point in excess of 300°C (572°F)
- Mechanical and thermal stability help maintain its optimal lubrication properties in challenging applications extending re-greasing intervals

Load Carrying & Wear Protection

- Excellent Extreme Pressure (EP) and Anti-Wear (AW) properties inherent in the thickener
- Contains 3% molybdenum disulfide (MoS_2) for exceptional load carrying capacity
- Delivers excellent wear protection for extended component life

Resistance to Water

- Formulated for enhanced resistance to water
- Excellent resistance to water washout
- Reduces consumption in wet conditions

Corrosion Resistance

- Calcium sulfonate complex thickener is known and used for its excellent rust prevention properties
- Will easily outperform other technologies

APPLICATION

PEERLESS 3 MOLY 322 is made with a calcium sulfonate complex thickener, a high viscosity ISO 320 base oil, molybdenum disulphide, and excellent stay-in-place properties. Therefore, it is best suited for those low speed, severe, heavy-duty applications in which high temperatures are encountered and wear protection is critical under conditions of heavy load, shock loading and vibration. This grease also offers superior performance in applications that are submerged or experience the heavy presence of water compared to greases made from other thickeners. While it excels in many applications, it is recommended for grease lubricated pins, joints, bushings and bearings of machinery found in industrial plants, agriculture, off-highway, construction and mining industries. It is also an excellent option for fifth wheels on over-the-road Class 8 trucks.

TYPICAL PERFORMANCE DATA

Property	Test Method	PEERLESS 3 MOLY 322
NLGI Grade	D217	2
Colour	PCM 264	Grey
Texture	PCM 264	Smooth
Dropping Point, °C/°F	D2265	>304/>579
Worked Penetration, 60 strokes	D217	279
Roll Stability, 77°C, % change in penetration	D1831	-3.7
Base Oil Viscosity, cSt @ 40°C/SUS @ 100°F cSt @ 100°C/SUS @ 210°F	 D445 D445	 302 20.9
Four Ball Weld Point, kg	D2596	620
Load wear Index, kgf	D2596	106
Four Ball Wear scar diam, mm	D2266	0.43
Rust Test	D1743	Pass
Copper Corrosion	D4048	1B
Oil Separation, % loss	D1742	0
Water Washout % @ 79°C/174°F	D1264	1.0
Temperature Range, °C °F		-15 to 170 5 to 338

*The values quoted above are typical of normal production. They do not constitute a specification.

Learn more about us: **lubricants.petro-canada.com**
Contact us: **lubecsr@hfsinclair.com**

Committed to the disciplined operation of our business.

CERTIFIED
ISO 9001: 2015
ISO 14001: 2015
IATF 16949: 2016

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