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# Sinclair Arctic Fire Litholine Plus 2 EP 3% Moly 14oz

Sinclair Greases Industrial Lubricants and Greases



OEMs have advanced equipment designs and operating conditions are becoming more severe. These changes increase stress on plain bearings, roller bearings, gears and couplings. Sinclair grease has been formulated to meet these challenges.

Sinclair Litholine Plus EP 2 With 3% Moly is a lubricating grease formulated to meet the extreme conditions encountered in off-highway construction equipment, as well as heavy duty industrial applications and any other severe operations requiring lubrication. Sinclair Litholine Plus EP 2 with 3% Moly is a Caterpillar 1E2254 lubricating grease specification. This product is a lithium complex thickened grease blended with high viscosity base fluids for exceptional film strength and is fortified with molybdenum disulfide for additional load carrying capacity and anti-wear performance.

In addition, Sinclair Litholine Plus EP 2 With 3% Moly contains a unique blend of extreme pressure, anti-wear and rust and oxidation inhibitors as well as functional polymers for better adhesion in wet environments and better performance at higher temperatures. Because it is a lithium complex thickened grease, Sinclair Litholine Plus EP 2 With 3% Moly has a high dropping point which also provides excellent protection in high temperature environments. It also provides the following features and benefits:

## *Performance You'll Notice*

### Protection

**High Film Strength** - maximum resistances to lubricant film rupture due to speed, load and temperature.

**High Load Capacity** - effective extreme pressure (EP) additive protection reduces scuffing, scoring, and seizure of bearing and gear surfaces under heavy loads, shock loads, or overloads.

### Toughness

**Good Performance at Low and High Temperatures** - can be used from 0 °F to +325 °F.

### Endurance

**Outstanding Rust and Oxidation Protection** - designed to provide better rust protection and longer oxidation protection than other lithium EP greases.

### Applications

Recommended for use wherever lithium multi-purpose grease with 3% molybdenum is required for lubrication of

automotive, mining and construction equipment. Some specific applications include: year round chassis lubrication, universal joints, water pumps, and truck fifth wheels. This multi-purpose product can be effectively used to simplify lubrication and reduce lubricant inventory. For example, Sinclair Litholine Plus EP 2 With 3% Moly can be used to lubricate nearly all grease points of underground mining equipment, and can be used in grease fittings and hand packed bearings of transportation equipment. Sinclair Litholine Plus EP 2 With 3% Moly is recommended for lubrication of industrial equipment, in applications such as heavy-duty bearings, plain bearing, and bearing operating under intermittent or shock load conditions.

#### Typical Properties

Color		Grey
Dropping Point, °C (°F), Min.	ASTM D 2265	177°C (350°F)
Four Ball EP Weld Point, Min	ASTM D2596	250
Four Ball Load Wear Index, Kgf	ASTM D2596	40
Four Ball Wear, mm Scar Dia	ASTM D2266	0.6
NLGI Grade		2
Oil Separation, % Loss Max.	ASTM D1742	10
Operating Temp Range		-25 to 250°F
Oxidation Stability, PSI loss	ASTM D942	5
Roll Stability, % Change	ASTM D1831	10
Rust Prevention	ASTM D1743	Pass
Thickener Type		Lithium
Timken OK Load, LB	ASTM D2509	45
Water Washout % Loss	ASTM 1264	10
Worked Penetration @ 77°F	ASTM D217	265-295

Information accurate as of September 9, 2021