



ADVANCED TECHNOLOGY IN LUBRICATION SINCE 1933

SWEPACO

123-ARCTIC

Ultra EP Multi-Service Grease

...Unexcelled performance in a wide range of highly loaded, extreme pressure applications

SWEPACO 123-Arctic Ultra EP Multi-Service Grease is a premium high pressure gun grease. It has been specifically formulated to provide the extra protection required in high load, high heat extreme pressure applications like those commonly found in steel, construction, mining, paper, plastic, glass, brick and ceramics industries.

Unique protection for heavily loaded bearings

The advanced overbased complex calcium sulfonate gelling chemistry embodied in SWEPACO 123-Arctic delivers exceptional EP characteristics without the addition of other additives.

Bearings are protected by layers of microscopically thin, wafer-like calcite particles with high affinity for metal surfaces. Under high loading or extreme pressures, these sacrificial layers shear away and are continuously replenished, protecting the metal surfaces from damaging metal to metal contact.

This state-of-the-art gelling system also yields superior mechanical stability, an inherently high dropping point, reduced wear and excellent resistance to water and corrosion.

Unsurpassed EP Performance

SWEPACO 123-Arctic has heat and wear resistance far superior to conventional lithium and aluminum complex greases.



SWEPACO 123-Arctic Ultra EP Multi-Service Grease is perfectly suited to bearing applications, like this steel plant, where extreme loading and high heat are primary concerns.

Excellent replacement for lithium greases.

With a Timken OK load rating of 60 pounds and a 4 Ball Weld Load rating of 400 kg, SWEPACO 123-Arctic provides the extra protection needed in construction, mining and heavy industrial applications.

A dropping point of greater than 586°F (308°C) insures that SWEPACO 123-Arctic stays put where it is needed in common high heat applications such as steel mills, asphalt plants and paving, paper mills, plastics, glass and ceramics manufacturing.

Superior corrosion protection

Superior corrosion protection and resistance to water wash out and spray off makes it suitable for applications that present exposure to both fresh and salt water.

PERFORMANCE

Low environmental impact

SWEPCO 123-Arctic provides exceptional extreme pressure properties without the need for zinc, phosphorous or sulfur EP additives. And it does not include any lead, antimony or barium, so it poses very low environmental risk.

Reduced consumption

SWEPCO 123-Arctic clings tenaciously to metal, increasing the level of protection and reducing consumption. Consumption is also reduced by an extraordinarily high dropping point that prevents thinning and bleeding. And inherently high mechanical stability keeps SWEPCO 123-Arctic "in grade" longer. These properties typically result in a significant reduction in grease consumption.

Wide range of applications

Ideal for use in backhoes, earth moving equipment, draglines, shovels, steel mills, concrete plants, applications with high water exposure, low speed high load bearing applications, high speed with moderate to high load bearing applications and many other applications.

SWEPCO 123-Arctic saves money

Due to superior performance, in all of these areas, users of SWEPCO 123-Arctic enjoy superior protection, longer greasing intervals, longer equipment life, fewer repair bills and more uptime.

Typical Physical Properties

N.L.G.I. Classification.....	ARCTIC
Penetration, 60 strokes @77°F.....	310-340
Dropping point, °F (°C) (ASTM D2265).....	>586 (>308)
Base Oil Viscosity, cst @40°C.....	90
Base Oil Viscosity, cst @100°C.....	9
Timken OK Load, lbs. (ASTM D2509).....	60
Four Ball EP Test (ASTM D2596) Weld Load, kg.....	400
Load Wear Index.....	55
Four Ball Wear Test (ASTM D2266) Scar diameter, mm.....	0.5
Rust & Corrosion (ASTM D1743).....	Pass
Copper Corrosion (ASTM D130).....	1b
Water Wash Out, % Retained (ASTM D1264).....	97
Water Spray Off, % Retained (ASTM D4049).....	94
Lincoln Ventmeter, psi @32°F (0°C).....	225
Lincoln Ventmeter, psi @-22°F (-30°C).....	525
Color.....	Blue
Texture.....	Smooth
Optimum Operating Temperature Range °F (°C).....	-30 to 450 (-34C to 246)



A Product of SPX Technology™.

... the cutting edge performance SWEPCO
Customers have come to expect.



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