

Ultra EP Multi-Service Grease

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

SWEPCO 123 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 SWEPCO 123 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.



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

Unsurpassed EP Performance

SWEPCO 123 has heat and wear resistance far superior to conventional lithium and aluminum complex greases.

Excellent replacement for lithium greases.

With a Timken OK load rating of 60 pounds and 4-Ball Weld Load ratings as high as 500 kg, SWEPCO 123 provides the extra protection needed in construction, mining and heavy industrial applications.

A dropping point of greater than 580° F (300° C) insures that SWEPCO 123 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.

Low environmental impact

SWEPCO 123 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 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 "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.

#0 grade ideal for centralized systems, u-joints, king pins, auto lubers, couplers, robotics, lawn equipment, and other applications requiring an NLGI "0" grease.

SWEPCO 123 saves money

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

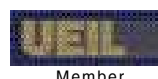
Typical Physical Properties

| | | | |
|-------------------------------------|-------------------------|-------------------------|-------------|
| N.L.G.I. Classification | #1 | #2 | #0 |
| Penetration, 60 strokes @77°F | 310-340 | 285-295 | 355-385 |
| Dropping point, °F (°C) | | | |
| (ASTM D2265) | >586 (>308) | >586 (>308) | >586 (>308) |
| Base Oil Viscosity, cst @40°C | 219.2 | 219.2 | 108.4 |
| Base Oil Viscosity, cst @100°C | 17.1 | 17.1 | 10.8 |
| Timken OK Load, lbs. (ASTM D2509) | 60 | 60 | 60 |
| Four Ball EP Test (ASTM D2596) | | | |
| Weld Load, kg | 400 | 500 | 800 |
| Load Wear Index | 55.23 | 61.47 | 110 |
| Four Ball Wear Test (ASTM D2266) | | | |
| Scar diameter, mm | 0.50 | 0.43 | 0.5 |
| Rust & Corrosion (ASTM D1743) | Pass | Pass | Pass |
| Copper Corrosion (ASTM D130) | 1b | 1b | 1b |
| Water Wash Out, % Retained | | | |
| (ASTM D1264) | 98.15 | 98.18 | 100 |
| Water Spray Off, % Retained | | | |
| (ASTM D4049) | 90.30 | 95.49 | 98 |
| U.S. Steel Mobility, grams per min. | | | |
| @ 0°F | 5.4 | 1.8 | 25 |
| @ 32°F | 13.8 | 3.24 | 100 |
| Lincoln Ventmeter, psi @ 0°F | na | na | na |
| Lincoln Ventmeter, psi @ 30°F | 787 | 1200 | na |
| Lincoln Ventmeter, psi @ 74°F | 286 | 485 | na |
| Color | | Blue | Blue |
| Texture | | smooth | tacky |
| Optimum Operating Temperature Range | | | |
| °F (°C) | 0 to +475 (-18 to +246) | -10 to 475 (-23 to 246) | |



A Product of SPX Technology™.

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



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Specifications subject to change without notice.