

## Sprayable EP Open Gear Lube

*... Unexcelled performance in open gear lubrication*

SWEPACO 222 Sprayable EP Open Gear Lube has been specifically formulated to meet the unique challenges of lubricating highly loaded exposed or shrouded gear sets, including those found in pulverizing and grinding mills, crushers, swing gears on cranes, ring gears on rotary kilns, gearing on draglines and in quarries, foundries and many other operations.

### **Superior protection for heavily loaded gearing**

State-of-the-art additive chemistry combined with pure high viscosity 100% synthetic base oils deliver exceptional load carrying characteristics. This state-of-the-art system also insures reduced wear and excellent resistance to water and corrosion.

### **Unsurpassed EP performance**

Open gearing, particularly large applications such as gear sets on a wide range of mills, crushers, rotary kilns, swing gears on cranes and jacking gears, need a lubricant that can withstand extreme loads. The tough, high viscosity, shear stable oil film provided by SWEPACO 222, cushions gears against shock loading and



**Large heavily loaded shrouded gear sets such as those used in these ball mills, pose special lubrication challenges ... SWEPACO 222 Sprayable EP Open Gear Lube solves them.**

extreme pressures generated in these applications. With an outstanding 4-Ball weld load rating of 800+ kg and a 100 pound Timken OK Load rating, SWEPACO 222 provides the extra protection these types of gears require.

### **Additional anti-wear protection**

In addition to the high viscosity base oils and EP package, SWEPACO 222 includes a highly effective solid lubricant to provide additional anti-wear performance and reduce gear temperatures.

### **Makes inspection easier**

But, unlike asphaltic products and many other lubricants on the market, SWEPACO 222 provides a translucent oil film that permits easier inspection of gear surfaces.

## Superior corrosion protection

Superior corrosion protection and resistance to water wash out make it suitable for applications that present high exposure to water.

## Reduced consumption

Many lubricants “sling off” gear teeth operating at higher speeds. SWEPCO 222 clings tenaciously to metal, increasing the level of protection and reducing sling off and consumption.

## Ease of application; less cleanup

SWEPCO 222 is far superior to conventional asphaltic materials that are difficult to handle in cold temperatures, create problems with “build-up” on gears and require frequent cleaning of gears to prevent pressure build-up or uneven tooth wear. SWEPCO 222 does not build up in tooth roots or pack between gear teeth. It will not melt or run. Nor does it become soluble in water; so it stays on gear teeth longer, provides more protection from rust and extends lubrication intervals. It also can reduce or eliminate the need for periodic cleaning of build-up on shrouds and shields.

## SWEPCO 222 saves money

Due to superior performance, users of SWEPCO 222 enjoy a new level of protection, longer application intervals or reduced spray volume, reduced used lubricant disposal costs, longer equipment life, fewer repair bills and more uptime.

## Includes diluent for easier application

A special high-flash point diluent with a rapid evaporation rate helps thin the product for wider application flexibility.

Once applied, the diluent evaporates to provide an extremely high viscosity film for gear protection.

## Recommended for a wide range of applications

SWEPCO 222's outstanding performance makes it suitable for manual or spray system use. Recommended for applications in mines, steel mills, lumber mills, stevedoring, sand and gravel companies, contractors, loggers, cement plants, excavating contractors, farmers, industrial plants and a wide range of other heavy-duty applications.

## Typical Physical Properties

|  |                       |
|--|-----------------------|
| API Gravity                                | 23.64                 |
| Specific Gravity                           | 0.96                  |
| Density, @ 60°F                            |                       |
| Lbs./Gal.                                  | 7.51                  |
| (kg./L.)                                   | (0.91)                |
| Viscosity with diluent                     |                       |
| SUS @ 212°F                                | 1,488                 |
| cSt @ 100°C                                | 321                   |
| cSt @ 40°C                                 | 6,294                 |
| Viscosity without diluent                  |                       |
| SUS @ 212°F                                | 5,186                 |
| cSt @ 100°C                                | 1,119                 |
| cSt @ 40°C                                 | 35,902                |
| Viscosity Index without diluent            | 218                   |
| Pour Point, °F (°C), with diluent          | 15 (-10)              |
| Flash Point (COC), °F (°C) with diluent    | 342 (172)             |
| Flash Point (COC), °F (°C) without diluent | 406 (208)             |
| Chlorinated Solvents, %                    | 0.00                  |
| Color                                      | translucent blue-gray |
| Texture                                    | smooth, very tacky    |

## Typical Performance Properties

|  |      |
|--|------|
| Four Ball EP Test (ASTM D2596)   |      |
| Weld Load, kg  | 800  |
| Load Wear Index  | 105  |
| Four Ball Wear (ASTM D4172)  |      |
| 40 kg, 1200 rpm, 1 hr @75°C, mm  | 0.37 |
| Rust & Corrosion (ASTM D1743)  | Pass |
| Timken Ok Load, lbs (ASTM D-2509)  | 100  |
| Copper Corrosion (ASTM D130)   | 1b   |
| FZG Scuffing (DIN 5134)  | 14+  |
| Lincoln Ventmeter@ 0°F, psi  | 1144 |
| Lincoln Ventmeter@ 40°F, psi   | 24   |
| Lincoln Airless Spray Pattern, width in inches<br>(Tip #11001, @ 14.5 in. distance, @ 160-175°F) | 24   |



**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.