



**M I L L**

**G E A R**

**LUBRICANTS**



Whitmore high-performance Open Gear Lubricants perform in the harshest enviroments and in the most demanding applications. Our advanced lubricants reduce gear wear, increase reliability, minimize downtime and prolong equipment life while lowering your operating and maintenance costs. We set the standard for the industrial lubrication industry.

**PROTECT YOUR RELIABILITY**  
.....  
**AND PRODUCTIVITY WITH OUR**  
.....  
**MILL GEAR LUBRICANTS.**



**Because reliability always matters,  
Whitmore has the proven products you can rely on.  
No matter what.**

**ENVIROLUBE® XE EXTREME**

*Most highly recommended open gear lubricant. Created by adding proprietary anti-wear technology proven in enclosed-gear applications, Envirolube XE Extreme takes open-gear wear protection to a revolutionary new level. Envirolube XE Extreme extends the life of even the most severely loaded open gears. This lubricant smooths existing wear damage, restoring a smooth operating surface and ensuring cost savings through reduced friction, temperature and load.*

**GEARMATE® 1000 ICT**

*Whitmore's toughest lubricant recommended for use on draglines and shovels. GearMate 1000 ICT can be used on open gears, sticks, circle rails and rollers, bushings and heavily loaded bearings. This lubricant contains a high molecular weight polymer that resists drying, oxidation and thermal decomposition. It does not emulsify in water, making it ideal for components exposed to rain, ice and snow, and in many areas, a single grade can be used year-round. GearMate 1000 ICT is enhanced with an improved coating technology that establishes a dark, non-transparent coating on metal so operators can easily identify the lubricant is in its correct place and quantity.*



### **BMG-6000TM**

*Designed for use on the most severely loaded open gears and bushings. It is especially useful when gears are older or have previously been damaged, pitted or scuffed, due to severe load or poor lubrication. Using BMG-6000 will quickly improve surfaces and extend service life while reducing noise and vibrations. It uses a synthetic base oil to give a great performance over a wide temperature range.*

### **SURSTIK® 800**

*Designed using the latest technology in extreme pressure/antiwear chemistry, SurStik 800 is a high-performance, extreme pressure lubricant formulated for use on open gears. It works well in highly loaded components under the most punishing conditions and easily forms a protective film. SurStik 800 is highly resistant to being washed off by over-lubrication.*

#### **WHITMORE MILL GEAR LUBRICANTS**

***Lower friction***

***Lower temperature***

***Reduce costs***

***Maximize uptime***

#### **APPLICATIONS**

***Grinding mills***

***Kilns***

***Shovels***

***Draglines***

***Calciners***

## MILL GEAR LUBRICANTS LINE-UP

|  | ENVIROLUBE® XE EXTREME                            | GEARMATE® 1000 ICT  | BMG-6000TM                            | SURSTIK® 800  |
|--|---|---|---------------------------------------|---|
| <b>TYPE</b>  | High viscosity fluid (non-asphaltic) with solvent | Grease*   | Grease*                               | Grease*   |
| <b>Primary application</b>                         | Ball mills and kilns                              | Draglines, shovels, grinding mills, kilns and wind turbines | Ball mills and kilns                  | Draglines, shovels, grinding mills, kilns and wind turbines |
| <b>Gear coating appearance</b>                     | Brown, transparent                                | Black   | Black                                 | Black   |
| <b>Comments</b>                                    | Uses heavy polymers instead of asphalt            | Extremely robust lithium open gear grease                   | Tacky, robust grease for severe loads | Extremely robust aluminum complex open gear grease          |
| <b>Maximum operating temperature</b>               | 230°F (111°C)                                     | 250°F (120°C)   | 300°F (150°C)                         | 250°F (120°C)   |
| <b>Low Temperature pumpability (Softest grade)</b> | 18°F (-8°C)                                       | -30°F (-34°C)   | 25°F (-4°C)                           | -45°F (-45°C)   |
| <b>OEM Approvals</b>                               | Metso, Falk, Foster Wheeler                       | CAT/Bucyrus, Komatsu  |                                       | CAT/Bucyrus   |

\*These are multi-service lubricants that can be used on mobile equipment such as draglines and shovels, as well as, ball mills, kilns and other machinery.

Whitmore is a brand and registered trademark of Whitmore Manufacturing, LLC. Established in 1893, Whitmore Manufacturing is an established manufacturer, that provides innovative products and services to increase the reliability, performance and lifespan of industrial assets. Whitmore offers high-performance lubricants, friction modifiers, and application equipment, designed to meet the specific needs of each industry and application. Industrial customers rely on Whitmore Manufacturing to deliver the performance engineered solutions industry counts on, even in the most adverse conditions, and demanding environments.

Whitmore Manufacturing maintains an industry-leading reputation for high-quality products and customer service. Whitmore products and services are offered outside North & South America (are sold in Brazil), through a distribution network committed to technical support and total customer satisfaction.

Whitmore Manufacturing is headquartered in Rockwall, Texas, and includes a fully integrated manufacturing plant, leading-edge research and development center, training facility and corporate offices.



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