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**G E A R**  
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**LUBRICANTS**



Whitmore high-performance Open Gear Lubricants perform in the harshest environments 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® AND ENVIROLUBE® XE**

*For many years Envirolube has been a market leader in open gear lubrication, extending the life of the most severely loaded gears. No other open gear lubricant performs with this combination of a dense protective film and special Extreme Pressure (EP) additives to reduce wear, prevent scuffing and pitting, and smooth out worn surfaces on severely loaded gears. Envirolube is TCLP-safe and uses an asphaltic base; Envirolube XE uses a non-asphaltic base that remains soft for easy removal and cleanup. It's free of heavy metals and contains a blend of high viscosity petroleum distillate, synthetic polymer and resins.*

**ENVIROLUBE® EXTREME AND ENVIROLUBE® XE EXTREME**

*Envirolube Extreme is made with special anti-wear technology that takes wear protection to a new level. By using it on heavy loaded gears, existing where damage such as pitting or spalling is smoothed, restoring a smooth operating surface. As a result of our Advanced Additive Technology™ Whitmore now introduces a new extreme grade of Envirolube® XE. Envirolube® XE Extreme contains a new additive combination that further reduces friction and wear and promotes smoothing of contact surfaces. The smoothing effect will also partially flatten out pre-existing wear damage within a few hundred hours of operation. Envirolube® XE Extreme takes this surface-smoothing effect to a whole new level.*

**GEARMATE® 1000**

*A premium high-performance extreme pressure lubricant specially formulated for use on open gears and other severe applications like ball mills, kilns, draglines and shovels. Gearmate 1000 contains a polymer extender and thickener that resist drying, oxidation, emulsification and thermal breakdown.*

SVEDALA

www.svedala.com

Your equipment will perform smoothly, regardless of high dust or bad weather, thanks to superior wear resistance and load carrying capability in an environmentally safe formula. GearMate 1000 meets CAT/Bucyrus specification SD4713.

### **BMG-6000™**

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 great performance over a wide temperature range.



### **SURSTIK® 800**

An aluminum complex high-performance extreme pressure lubricant designed to protect open gears, slow-moving bearings, bushings and other highly loaded components in the most hostile environments. The dark lubricating film is ideal for exposed parts on mining equipment like swing racks, shovel dipper sticks and house rails and rollers. It is easily established and highly resistant to being washed off by over-lubrication, wet conditions or freezing temperatures. This adjusted formula meets CAT/Bucyrus specification SD4713 and is compatible with Surstik.

#### **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® & ENVIROLUBE® EXTREME	ENVIROLUBE® XE & ENVIROLUBE® XE EXTREME	GEARMATE® 1000	BMG-6000™	SURSTIK® 800
Type	Asphaltic fluid with solvent	High viscosity fluid (non-asphaltic) with solvent	Grease*	Grease*	Grease*
Primary application	Ball mills and kilns	Ball mills and kilns	Draglines, shovels, grinding mills, kilns and wind turbines	Ball mills and kilns	Draglines, shovels, grinding mills, kilns and wind turbines
Gear coating appearance	Dark brown, Transparent	Brown, transparent	Black	Black	Black
Comments	Asphaltic base with solvent. For the most severe loads.	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.
Maximum operating temperature	210° F (100°C)	230° F (110°C)	250° F (120°C)	300° F (150°C)	250° F (120°C)
Low Temperature pumpability (Softest grade)	0°F(-18°C)	18°F(-8°C)	-30°F(-34°C)	25°F(-4°C)	-45°F(-45°C)
OEM Approvals	Metso, Foster Wheeler, Falk	Metso, Falk	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.

Established in 1893, Whitmore is a global leader in providing innovative products and services that increase the reliability, performance and lifespan of industrial assets. We manufacture reliability products, high performance lubricants, friction modifiers, application and inspection equipment, lubrication management systems and cleaners designed to meet the specific needs of each industry and application. Industrial customers worldwide rely on Whitmore to deliver the performance engineered solutions industry counts on even in the most adverse conditions and demanding environments.

Whitmore maintains an industry-leading reputation for high quality products and customer service. Our family of products and services are sold worldwide through a distribution network committed to technical support and total customer satisfaction.

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

**whitmores.com**  
**800.699.6318 • +1.972.771.1000 • Fax 972.722.4561**

930 Whitmore Drive, Rockwall, TX, 75087 U.S.A.

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