



Surtac[®] 2000 C HIGH PERFORMANCE OPEN GEAR LUBRICANT

In the 1980's Whitmore pioneered the use of heavy duty paste-type open gear lubricants. We now introduce Surtac[®] 2000 C, an open gear lubricant that provides improved protection, with unprecedented economy of use. Preventing wear on expensive components will always be the foremost "cost reduction" and Whitmore's Surtac[®] 2000 C is effective in this regard, even under the highest load. However despite world class protection, Surtac[®] 2000 C can cost less to use than low cost asphaltic lubricants.

Surtac[®] 2000 C plates out on metal surfaces to create a dense dark film. The high concentration of solid lubricants (graphite, MoS₂ and Whitmore's SL-Tech™) provides a cushion of protection that minimizes metal-to-metal contact. Oil-soluble extreme pressure additives prevent scuffing by forming a slippery coating where asperities come in contact. The combined effect greatly exceeds the protection offering by lubricants that rely primarily on high viscosity. Surtac[®] 2000 C promotes surface improvement as asperities are progressively smoothed down. The smoother surfaces minimize metal fatigue by spreading the load over a wider area. Reduced metal fatigue reduces the sub-surface cracking that leads to pitting.

Surtac[®] 2000 C is reinforced by the use of polymers. These promote cohesiveness, metal adhesion and water resistance, particularly important for exposed applications such as Shovel Dipper Sticks. The protective film is not washed off by rain, and will not flake off in cold weather. The gears of wet-process Ball Mills are also subject to water-wash, especially on older machines. Adhesion is assured using Surtac[®] 2000 C.

Surtac[®] 2000 C is free of heavy metals and hazardous chemicals. It is an excellent replacement for any competitive gear grease as well as traditional open gear lubricants based on asphalt and solvent. Clean-up of the spent lubricant is easier. Surtac[®] 2000 C is free of asphalt and does not leave a residue that hardens.

BENEFITS:

- ECONOMY THROUGH WEAR PROTECTION – components last longer.
- ECONOMY OF USE – competitive with low cost asphaltic lubricants on a "per hour" basis.
- SAFETY – free of hazardous materials
- CLEAN UP – no hard residue to remove

APPLICATIONS:

Use Surtac[®] 2000 C on the Open Gears, House Rollers and Dipper Sticks of Mining Machines. It is also suitable for protection of Drum Lagging and as a Wire Rope dressing. Surtac[®] 2000 C is sufficiently robust for use on the Open Gears of large Ball Mills, as well as Kilns, Calciners and Rotary Dryers.

ASTM #		TYPICAL CHARACTERISTICS
	NLGI Grade	0
D-217	Cone Penetration (Worked)	355-385
D-445	Kinematic V iscosity (Base Oil)	
	cSt @ 40°C	1,975
	cSt @ 100°C	45.3
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	8.19
D-2596	Specific Gravity, g/cc @ 60°F (15.5°C)	0.98
	Four Ball EP, Weld Point, kg (without solvent)	1000
D-2266	Four Ball Wear, Scar Width, mm (without solvent)	(Passes 800 kg) 0.52
OEM	Thickener Type	Lithium
Standard	Low Temperature Pumpability	
	Lincoln Ventmeter @ 600 psi, °F (°C)	-10 (-23)

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Shuttle Tanks	Nonreturnable Totes	Drums	Pails
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THE WHITMORE MANUFACTURING COMPANY

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