



***ONE OF THE TOUGHEST  
LUBRICANTS ON THE BLOCK.  
GEARMATE® 1000 ICT***

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GearMate 1000 ICT is specifically formulated for use on open gears and other heavy-duty, extreme or severe applications on draglines, mining shovels, ball mills and kilns.

# MULTI-SERVICE OPEN GEAR LUBRICANT



GearMate 1000 ICT is a high-performance lubricant containing a high molecular weight polymer that resists drying, oxidation and thermal decomposition, which is extremely helpful in areas of high dust contamination or when typical weather conditions can cause peeling and flaking from sticks, gears and house rollers. The blend of solid and oil-soluble anti-wear additives provides superior load-carrying ability and high-performance wear resistance in an environmentally safe package.

This lubricant is enhanced with our “ICT” (Improved Coating Technology) additive system to meet industry’s demand for an open gear lubricant that deposits a darker, non-transparent coating on metal so operators can easily identify the lubricant is in its correct place and quantity output is accurate. GearMate 1000 ICT’s lithium thickener structure inherently resists emulsification with water and has excellent mechanical and thermal stability. The low temperature capabilities allow the lubricant film to maintain its adhesive characteristics and durable protection under the most demanding conditions.

All GearMate grades meet the requirements of Caterpillar (formerly Bucyrus International) specification SD 4713. The “Super Heavy” grade meets the requirements for use on Caterpillar Shovel Hoist Drum Gears (Specification SD 4713, Revision June 2011).

While this lubricant is indicated for a variety of applications on mining draglines and shovels including sticks, circle rails and rollers, bushings and large, heavily loaded bearings, it is highly suitable and effective for open gears of kilns, ball mills and similar rotating equipment. Whitmore particularly recommends GearMate 1000 ICT where components are scuffed or pitted.

Consistency	NLGI Grade	Kinematic Viscosity (Base Oil with Polymer)		Usable Temperature Range, °F (°C)
		cSt @ 40°C	cSt @ 100°C	
Arctic	00-000	700	-	-30 (-34) to 104 (40)
Extra Heavy *	00	1,900	40	-20 (-29) to 104 (40)
Light	0-00	1,900	-	-15 (-26) to 104 (40)
Heavy *	0	4,123	165	10 (-12) to 250 (121)
Super Heavy *	0-1	6,500	254	30 (-1) to 250 (121)

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

- **TCLP-safe—passes the EPA Toxicity Characteristic Leaching Procedure, which means it is free of heavy metals and ozonedepleting solvents**
- **Does not emulsify in water—ideal for applications and components exposed to rain, ice and snow**
- **Extreme load-carrying capability—protects during shock loading against scuffing and seizure**
- **Reduced inventory—in many climates, a single grade can be used year-round**

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