

# Product Data Sheet



## **SURSTIK<sup>®</sup> 800** **MULTISERVICE LUBRICANT**

**SurStik 800 is a high-performance, extreme pressure lubricant designed for use on open gears and other highly loaded components under the most punishing conditions and in the most hostile environments.**

Forming a robust and tenacious dark lubricating film, SurStik 800 is easily established and highly resistant to washing off by over-lubrication. Created with high molecular weight polymers, this lubricant resists drying, oxidation and thermal decomposition as well as emulsification with water. The polymers assure adhesion of solid lubricants to the component and help provide long lubrication intervals. Wet or freezing conditions will not remove SurStik 800 from shovel dipper sticks. This lubricant provides extraordinary carrying ability and heavy-duty wear resistance while still being environmentally safe.

Field results indicate this lubricant's performance actually increases as operating and climatic conditions worsen. The low-temperature capabilities allow the lubricant film to maintain its adhesive characteristics and durable protection under the most demanding conditions.

SurStik<sup>®</sup> 800 meets the P&H Material Specification #520 for multiservice lubricants. It also meets the spec or is approved by Outotec, Komatsu, IHI (Japan) and PRASA (South Africa).



**APPLICATION:**

- Draglines & Shovels
- Open Gears
- Other highly loaded components

**BENEFITS:**

- **WEAR PROTECTION** - extends component life, reduces operating expenses.
- **MULTISERVICE LUBRICANT** - for use on draglines and shovels.
- **PUMPABILITY** - In many climates, a single grade can be used year-round. Does not damage seals or packing materials used in pumping systems and injectors.

ASTM #	TYPICAL CHARACTERISTICS	Arctic			Medium			Heavy		
		Arctic			Medium			Heavy		
	<b>Consistency</b>	Thick Fluid			NLGI 000 Grease			NLGI 0 Grease		
<b>D-445</b>	<b>Kinematic Viscosity</b> (Base Oil with Polymer)									
	cSt @ 40°C	1,520			2,620			4,380		
	cSt @ 100°C	120.0			122			137		
<b>Gardner Method</b>	<b>Density</b> , lb/gal @ 60°F (15.5°C)	8.40			8.53			8.55		
	<b>Specific Gravity</b> , g/cc @ 60°F (15.5°C)	1.008			1.024			1.026		
<b>D-92</b>	<b>Flash Point</b> , COC, °F (°C)	>195 (91)			>240 (115)			>400 (204)		
<b>D-2596</b>	<b>Four Ball EP</b>									
	Weld Point, kg	800			800			800		
	Load Wear Index (minimum)	120			120			120		
<b>D-2266</b>	<b>Four Ball Wear</b> , Scar Width, mm	0.67			0.60			0.70		
<b>D-1743</b>	<b>Rust Test</b>	Pass			Pass			Pass		
<b>D-4048 Modified</b>	<b>Copper Strip Corrosion</b>									
	212°F (100°C) @ 3 hr	1B			1B			1B		
<b>Operating Range</b>	<b>Operating Range</b> , °F (°C)	-45°F to 50°F (-43°C to +10°C)			-22°F to 105°F (-30°C to +40°C)			20°F to 250°F (-7°C to +121°C)		

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

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