

SurStik® 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 hostile environments.

The dark lubricating film that is formed by SurStik® 800 is robust and tenacious. It is easily established and highly resistant to being washed off by over-lubrication. The use of high molecular weight polymers assures adhesion of solid lubricants to the component and long lubrication intervals. SurStik® 800 will not be removed from shovel dipper sticks by wet or freezing conditions.

SurStik® 800 meets the P&H Material Specification #520 for multiservice lubricants.

BENEFITS:

- CAT/BUCYRUS COMPLIANT- all grades meet SD4713, a Bucyrus specification dated August 18, 2005. Three grades also meet the 2011 update for lubrication of the Hoist Gear on certain shovels. See table below.
- 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. SurStik® 800 does not damage seals or packing materials used in pumping systems and injectors.

Grade of SurStik® 800	Meets July 14, 2011 update for Shovel Hoist Gears, for the ambient (in house) specified temp range of:	The actual safe Operating Range for each grade:
Arctic	No	-45°F to 50°F (-43°C to +10°C)
Medium	No	-22°F to 105°F (-30°C to +40°C)
Heavy *	Yes: 50°F to 95°F (+10°C to +35°C)	20°F to 250°F (-7°C to +121°C)
Extra Heavy *	Yes: 50°F to 95°F (+10°C to +35°C)	30°F to 250°F (-1°C to +121°C)
Super Heavy *	Yes: 77°F to 122°F (+25°C to +50°C)	35°F to 250°F (+2°C to +121°C)

***Use on Shovel Hoist Gears where specified by CAT/Bucyrus:** For other (outside) components choose one of the 5 grades, based on temperature conditions. **Where a split system is not installed in Shovel:** See the Whitmore data sheet for "SurStik 800 Special". This product meets the 2011 update for Shovel Hoist Gears and is also pumpable in extreme cold, therefore a split lubrication system is not necessary.

ASTM #		TYPICAL CHARACTERISTICS				
		Arctic	Medium	Heavy	Extra Heavy	Super Heavy
	Consistency	Thick Fluid	NLGI 000 Grease	NLGI 0 Grease	NLGI 1.5 Grease	NLGI 0-1 Grease
D-445	Kinematic Viscosity (Base Oil with Polymer)					
	cSt @ 40°C	1,520	2,620	4,380	4,000	5,180
	cSt @ 100°C	120.0	122	137	127.0	145.0
Gardner Method	Density lb/gal @ 60°F (15.5°C)	8.40	8.53	8.55	8.52	8.52
	Specific Gravity g/cc @ 60°F (15.5°C)	1.008	1.024	1.026	1.023	1.023
D-92	Flash Point, COC, °F (°C)	>195 (91)	>240 (115)	>400 (204)	>400 (204)	>400 (204)
D-2596	Four Ball EP					
	Weld Point, kg	800	1000	1000	1000	1000
	Load Wear Index (minimum)	120	120	120	120	120
D-2266	Four Ball Wear Scar Width, mm (max)	0.67	0.60	0.60	0.7	0.7
D-1743	Rust Test	Pass	Pass	Pass	Pass	Pass
D-4048 Modified	Copper Strip Corrosion 212°F (100°C) @ 3 hr	1B	1B	1B	1B	1B

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

PACKAGING

Shuttle Tanks	Drums	Kegs	Pails
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For warranty information, scan the QR code.
You can also email us at sales@whitmores.com
Or write to the Sales Department at the address below.

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