



# SMG-2

## *Superior Multipurpose Grease – EP2*

### **Description**

**SMG-2** is truly a heavy duty multipurpose EP grease designed for low or high speed plain and rolling element bearings, and sliding mechanisms operating under generally difficult conditions such as found in steel mills, manufacturing plants and automotive applications. Special additive technology and highly refined petroleum oils gives high film strength under EP conditions with good oxidative and thermal stability. Specially designed component mixture provides high dropping point, mechanical and thermal stability with heavy water and corrosion resistance. **SMG-2** has exceptional resistance to water wash and extremely low oil bleed characteristics insures protection at high temperatures and high radial forces.

### **Applications**

**SMG-2** grease is ideal where hot and cold, low and high-speed bearings must share the same lubricant. Designed for wet and hot end use for roll neck journal bearings found in Paper & Steel Mill operations. Excellent for heavily loaded hinge pins, splines, couplings, CV and universal joints. Use on rolling mills, slabbing mills, truck chassis, wheel bearings; also general lube points on track rolls of heavy duty construction and earth moving equipment..

### **Features and Benefits**

- **Increased Production:** Increased parts life reduces downtime for repairs or parts replacement coupled with decreased labor to repair those parts. Increased production increases REVENUES.
- **Excellent Corrosion Protection:** **SMG-2** provides long life in corrosive environments.
- **Resistance to Water:** These greases are insoluble in water
- **High Extreme Pressure Properties:** They will carry heavy loads due to inherent EP properties.
- **Excellent Shear Stability:** Will not thin down due to heat or shear, even with heavy water wash.
- **Excellent Thermal Stability:** May be used to 572°F with proper relubrication cycles.

Extreme Industrial Lubricants, Inc.  
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**EXTREME INDUSTRIAL LUBRICANTS, INC.**

Santa Clarita CA, 91321

(Not For Specification Purposes)

<b>Typical Physical Properties for SMG GREASES</b>				
<b>Property</b>	<b>Test Method</b>	<b>Units</b>	<b>SMG # 1.5</b>	<b>SMG # 2</b>
Color & Texture	Visual		Brown & Creamy	Brown & Creamy
Kinematic Viscosity of Base Oils @ 40 ° C	ASTM D 445	cSt (SUS)	260 (1205)	216 (1000 SUS)
Worked Penetration, 60 Strokes @ 25°C	ASTM D-217	mm/10	290 – 315	270 - 295
Mechanical Stability	ASTM D-217 % change from P60	P 100,000 Strokes P 10,000 Strokes w/ 50% H2O	2.3 % < 6.0%	2.5 % < 6.0%
Shell Roll Stability	ASTM D-1831	% change from P60	< 4.0 %	< 4.0 %
Timken OK Load	ASTM D-2509	lbs. / kg.	60/27	60/27
4-Ball EP Weld Load LWI	ASTM D-2596	Kgf.	500 kg. > 75	500 kg. > 75
4 Ball Wear, Scar Dia. (40kg., Load, 1200 RPM, 75°C, 1-hr.)	ASTM D-2266	Average Wear Scar in mm	0.44 mm	0.50 mm
Dropping Point	ASTM D 2265	°C (°F)	>290 (554)	300 (572)
Rust Test Copper Corrosion Salt Fog Spray Water Washout	ASTM D-1743 ASTM D-130 ASTM B-117 ASTM D-1264, @ 80 ° C	Rating Classification Hours to Failure	Pass 1b >1000 hrs.	Pass 1b >1000 hrs.
Oxidation Bearing Life Rotary Bomb Oxidation	ASTM D-3527 ASTM D-942	Hrs. PSI drop, 500 hrs.	200 6.0 lbs.	200 6.0 lbs.

*Subject to Usual Manufacturing Tolerances***Extreme Industrial Lubricants, Inc.**

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