

IMG

(Industrial & Manufacturing Grease)

No. 124

NLGI #1 & 2

DESCRIPTION:

IMG is a heavy duty, multipurpose, EP grease designed for Automatic Grease Dispensing Systems where long lubricant dispensing lines are common. **IMG** is specially formulated to provide maximum, long lasting protection to bearings, bushings, sliding surfaces and other areas exposed to severe conditions of heat, moisture and heavy loading. It can be used in low or high speed, plain and rolling element bearings and sliding mechanisms. With proper lubrication cycles **IMG** has an operating temperature of 350°F.

TYPICAL OPERATING CONDITIONS:

IMG is designed for use in difficult conditions such as found in steel mills, assembly plants and paper corrugating plants. **IMG** is excellent in applications where there is a need to provide extended component life while reducing excessive grease consumption.

FEATURES:

Special additive technology and highly refined petroleum oils give **IMG** excellent oxidative and thermal stability, and high film strength under extreme pressure conditions. A proprietary Calcium Sulfonate Complex base provides high dropping point, mechanical stability, and extremely low oil bleed characteristics ensuring protection at high temperatures and high radial forces. **IMG** has exceptional resistance to water washout and corrosion.

TYPICAL APPLICATIONS:

IMG is ideal where hot and cold, low and high-speed bearings must share the same lubricant. It is extremely effective for wet and hot end use for roll neck journal bearings found in paper and steel mill operations. **IMG** is excellent for use in heavily loaded hinge pins, splines, couplings, CV and universal joints. It can be used in many other applications including:

Rolling mills	Automatic Lube Systems
Slabbing mills	Anti-Friction Bearings
Plain Bearings	Bucket Pins
Sliding Surfaces	Truck Chassis
Conveyors	Wheel Bearings

...and many other areas requiring the use of a superior extreme pressure grease for extended service.

PERFORMANCE CHARACTERISTICS:

IMG will provide superior, long lasting protection against:

Extreme pressure	Water washout
Elevated temperatures	Acid contamination
Rust and oxidation	Corrosion
High temperature oil volatilization	Channeling due to cold temperature

TYPICAL SPECIFICATIONS:

Property	Test Method	Units	IMG # 1.5	IMG # 2
Color & Texture	Visual		Brown & Creamy	
Kinematic Viscosity of Base Oils @ 40 ° C	ASTM D-445	cSt (SUS)	260 (1205)	216 (1000)
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.	600 kg. > 75	600 kg. > 75
4 Ball Wear, Scar Dia. 40 kg., Load, 1200 RPM,	ASTM D-2266 @ 75°C, 1-hr.	Average Wear Scar in mm	0.42 mm	0.42 mm
Dropping Point	ASTM D 2265	°C (°F)	>290 (554)	300 (572)
Rust Test	ASTM D-1743	Rating	Pass	Pass
Copper Corrosion	ASTM D-130	Classification	1b	1b
Salt Fog Spray	ASTM B-117	Hours to Failure	>1000 hrs.	>1000 hrs.
Water Washout	ASTM D-1264 @ 80 ° C	% Loss	< 2.2 %	< 2.0 %
Oxidation Bearing Life	ASTM D-3527	Hrs.	200	200
Rotary Bomb Oxidation	ASTM D-942	PSI drop, 500 hrs.	6.0 lbs.	6.0 lbs.

Values shown here are typical, and may vary.