



LTG-1

Synthetic Grease – EP1, for Low Temps and Hi Speeds

Description

LTG-1 is a synthetic multipurpose EP grease designed for **Automatic Grease Dispensing Systems where long lubricant dispensing lines and temperature extremes are the norm.** **LTG-1** is 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 and paper corrugating plants. Special additive technology and synthetic base oils gives excellent film strength under EP conditions with extreme oxidative and thermal stability. **LTG-1** is exceptionally resistant to heavy water wash and possesses very low oil bleed characteristics which insure protection at high temperatures and high radial forces.

Applications

LTG grease is ideal where hot and extreme cold, low and very high-speed bearings must share the same lubricant. **Designed for colder climates for all types of harsh industrial, heavy duty and high speed applications.** 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. **This grease can withstand higher speeds and lower constant temperatures than our other multipurpose greases.**

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:** **LTG-1** provides long life in corrosive environments.
- **Resistance to Water:** This grease is insoluble in water
- **High Extreme Pressure Properties:** It 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 554°F with proper re-lubrication cycles.

Extreme Industrial Lubricants, Inc.
26873 Sierra Hwy, Suite 133 || Santa Clarita CA, 91321 USA
Tel: 661-298-8510
Web Site: www.extremelubricants.com

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EXTREME INDUSTRIAL LUBRICANTS, INC.

Santa Clarita CA, 91321

TECHNICAL DATA – LTG-1 GREASE

(Not For Specification Purposes)

Typical Physical Properties for LTG-1 Grease				
Property	Test Method	Units		LTG #1
Color & Texture	Visual			Brown & Creamy
Kinematic Viscosity of Base Oils @ 40 °C	ASTM D 445	cSt (SUS)		220 SUS
Worked Penetration, 60 Strokes @ 25°C	ASTM D-217	mm/10		310
Mechanical Stability	ASTM D-217 % change from P60	P 100,000 Strokes P 10,000 Strokes w/ 50% H ₂ O		2.2 % < 2.0 %

Shell Roll Stability	ASTM D-1831	% change from P60		< 4.0 %
Timken OK Load	ASTM D-2509	lbs. / kg.		60/27
4-Ball EP Weld Load LWI	ASTM D-2596	Kgf.		500 kg. >70
4 Ball Wear, Scar Dia. (40kg., Load, 1200 RPM, 75°C, 1-hr.)	ASTM D-2266	Average Wear Scar in mm		0.40 mm
Dropping Point Pour Point Flash Point	ASTM D 2265	°F Celsius F		554 F -60 C 455 F
Rust Test Copper Corrosion Salt Fog Spray	ASTM D-1743 ASTM D-130 ASTM B-117	Rating Classification Hours to Failure		Pass 1b >1000 hrs.
Water Washout	ASTM D-1264, @ 80 °C	% Loss		< 2.2%
Oxidation Bearing Life Rotary Bomb Oxidation	ASTM D-3527 ASTM D-942	Hrs. PSI drop, 500 hrs.		300 4.0 lbs.

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

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