



# MARSON EPL GREASES

## (Standard Multipurpose Lithium Grease)

**MARSON EPL** greases are a series of high quality, multi-purpose, extreme pressure greases. **MARSON EPL** greases is compounded from selected base oils, additives and a lithium 12-hydroxy stearate thickener to provide reliable performance in a wide variety of application.

The lithium 12-hydroxy stearate thickener gives **MARSON EPL** greases several important properties. Good water resistance allows **MARSON EPL** greases to be used in applications where water or moisture is a problem. It also gives **MARSON EPL** greases an even consistency and good shear stability. This ensures that **MARSON EPL** greases will not soften or harden throughout the wide range of temperatures and types of service to which it is exposed.

The properties of **MARSON EPL** greases are further augmented with specialized additives. Extreme pressure (EP) additives are used to provide extra protection when heavy continuous loads or shock loading is encountered. This effectively enhances the lubricant's film strength and substantially reduces wear. This extra load carrying ability is evident in the high Timken OK load test (ASTM D-2509) results obtained with **MARSON EPL** greases. It attained a 60 lb OK load where many competitive products are only capable of 40 lbs. The result is longer component life and lower maintenance cost.

**MARSON EPL** greases also contain rust and corrosion inhibitors to protect metal surfaces. Corrosion can be a major problem in today's precision bearings. **MARSON EPL** greases have excellent oxidation resistance due to potent oxidation inhibitors. This provides outstanding thermal stability and a long service life.

### BENEFITS:

- EXTREME PRESSURE PROTECTION
- WIDE TEMPERATURE RANGE
- HIGH FILM STRENGTH
- GOOD WATER RESISTANCE
- EXTENDED REGREASING INTERVALS
- VERSATILE

### APPLICATIONS:

**MARSON EPL** greases is a series of versatile lubricating greases that can be used in a wide range of industrial and mobile equipment applications. Their extreme pressure capacity and water resistance make it suitable for automobile, truck, agricultural and heavy duty construction/mining equipment lubrication. Their thermal stability and structural integrity make it ideal for industrial applications such as machine tools, manufacturing equipment, motor bearings, process equipment and many other types of machinery.

**MARSON EPL** greases are available in five grades. The NLGI 2 grade is the most frequently recommended grade and is used for most applications. NLGI 1 and 0 grades are recommended for cold weather applications or centralized (automatic) greasing systems. The NLGI 0 grade is also ideal for crawler equipment track rollers. The 000 grade contains a heavier base oil and it is designed for underground mining gear boxes. The 000 grade reduces leakage in gear cases where conventional gear oils would leak out such as in vertically mounted gear boxes.



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### TYPICAL CHARACTERISTICS

NLGI Grade	000 (semifluid)	00	0	1	2
Product Code	39272	39269	39270	39271	39273
Thickener Type: Lithium 12-Hydroxy Stearate	Yes	Yes	Yes	Yes	yes
Texture	Smooth	Smooth	Smooth	Smooth	Smooth
Color	Dark Amber	Dark Amber	Dark Amber	Dark Amber	Dark Amber
Worked 60X Penetration (ASTM D-217)	460	430	385	330	280
Dropping Point (ASTM D-2265)					
°F	-	-	-	360	360
(°C)	-	-	-	(182)	(182)
Base Oil Viscosity (ASTM D-445)					
cSt @ 40°C	320	157	177	178	182
cSt @ 100°C	22.5	14.7	15.1	15.8	15.4
SUS @ 100°F	1713	831	939	945	963
SUS @ 210°F	113	77	80	81	81
Oxidation Stability (ASTM D-942)					
PSI Drop, 100 Hrs / 200 Hrs	-	2.5 / 3.5	2.5 / 3.5	2.5 / 3.5	2.5 / 3.5
Copper Corrosion (ASTM D-4048)	Pass	Pass	Pass	Pass	Pass
Rust Prevention (ASTM D-1743)	Pass	Pass	Pass	Pass	Pass
Timken OK Load, lbs (ASTM D-2509)	-	45	45	60	60
Four Ball EP (ASTM D-2596)					
Weld Point, kg	250	250	250	250	250
Load Wear Index	40	50	50	50	50
Four Ball Wear Scar Diameter, mm (ASTM D-2266)	0.6	-	0.45	0.45	0.45
Approximate Temperature Range*					
°F	0 to 290	0 to 290	0 to 290	0 to 290	0 to 290
(°C)	-18 to 143	-18 to 143	-18 to 143	-18 to 143	-18 to 143

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.

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