



## Omniguard™

Omniguard™ is a high performance, multipurpose, extreme-pressure, corrosion preventive grease specially developed for use in industrial and automotive equipment operating in wet or corrosive environments. It is particularly recommended for equipment exposed to water contamination, salt water corrosion, and/or high temperatures.

Omniguard™ is formulated with high-quality paraffinic base oils, calcium sulfonate thickener, rust and corrosion inhibitors and antiwear additives. It protects against rust and corrosion in high humidity, high temperature applications, such as those found in the steel, lumber, tire manufacturing and paper industries. It has excellent load-carrying ability, high shear stability and superior resistance to water washout.

Omniguard™ Grade No. 2 is NLGI GC-LB certified for use as a multipurpose automotive wheel bearing and chassis lubricant.

### **Applications**

- Industrial and automotive equipment operating in unfavorable conditions involving water contamination and/or high temperatures
- Plain and rolling element bearings operating in corrosive environmental conditions
- Marine and other heavy equipment exposed to salt water, such as cranes, bulldozers and cables
- Paper machine wet and dry end bearings and hot calendar stacks
- Rolling mills, hot roll tables, continuous casters, ingot buggies and slab mills
- Steel mill roller bearings, conveyors and gears
- Industrial equipment subject to high loads, high humidity and high temperatures
- Industrial applications requiring a high dropping point grease, such as drying ovens
- Centralized lube systems and auto lubbers in service shops

### **Outstanding Features**

- Excellent thermal stability and oxidation resistance at high temperatures
- Outstanding rust and corrosion protection, including resistance to salt-water corrosion
- Excellent extreme-pressure and antiwear properties for protection against heavy or shock loading
- Superior resistance to water washout
- Excellent shear stability
- High dropping point (> 550°F)
- High load-carrying ability (65-lb Timken OK Load rating)
- Light-colored, low-staining
- NLGI GC-LB certified (No. 2 grade)

**Premium Quality,  
Extreme-Pressure,  
Corrosion  
Preventive Calcium  
Sulfonate Grease**

**U.S. Technical Services  
Hot line:  
1-800-766-0050**

**U.S. Customer Service:  
1-800-822-6457**

**International:  
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**Omniguard™**  
**Typical Properties**

<b>NLGI Grade</b>	<b>1</b>	<b>2</b>
Thickener	Calcium Sulfonate	Calcium Sulfonate
Color	Tan	Tan
Dropping Point, °C (°F)	300 (572)	300 (572)
Density, lbs/gal	8.29	8.29
Penetration, ASTM D217 (worked 60 strokes)	325	280
Texture	Smooth	Smooth
Four-Ball EP, ASTM D2596, Weld Load, kgf	500	500
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.39	0.39
Oxidation Stability, ASTM D942, 100 hrs,		
Pressure Drop, psi (kPa)	0 (0)	0 (0)
Roll Stability, ASTM D1831, % change in penetration	7	7
Rust Prevention, ASTM D1743	Pass	Pass
Shear Stability, ASTM D217, % change (100,000 strokes)	1	1
Timken OK Load, ASTM D2509, lb	65	65
U.S. Steel Mobility, g/sec		
@ 4°C (40°F)	0.62	—
@ -7°C (20°F)	0.31	—
@ -18°C (0°F)	0.07	—
Water Washout, ASTM D1264, wt % loss @ 175°F	2.81	2.81
<b>Base Oil Properties:</b>		
Viscosity,		
cSt @ 40°C	219	219
cSt @ 100°C	18.8	18.8
SUS @ 100°F	1,160	1,160
SUS @ 210°F	96	96
Viscosity Index	95	95
<b>Usable Temperature Range,</b>		
°C	-23 to 260	-18 to 260
°F	-10 to 500	0 to 500

Due to continual product research and development, the information contained herein is subject to change without notification.

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