



## Tacna® 2000

Conoco® Tacna 2000 is a high-quality, extreme pressure (EP) lithium grease developed for industrial use in heavily loaded sleeve-type bushings and bearings commonly found on buckets in mining and off-road equipment such as electric shovels, draglines, wheel and backhoe loaders, excavators, pipe layers and soil compactors.

Tacna 2000 is manufactured with high-quality paraffinic base oils, a polymer and a lithium 12-hydroxystearate soap thickener. It is fortified with extreme-pressure and antiwear additives, plus corrosion and oxidation inhibitors. It has good oxidation resistance, a high load-carrying capacity for excellent wear protection, and protects metal parts against rust and corrosion. It provides a high level of adhesion to the bearing surface for improved retention and resistance to water washout, and has excellent resistance to structural breakdown even under severe operating conditions.

Tacna 2000 Grade No. 2 is ideal for use in heavily loaded sleeve-type bushings and bearings operating at medium to high ambient temperatures and subject to shock loading. Tacna 2000 Grade No. 1 provides easier pumpability and is recommended for use at lower ambient temperatures.

### **Applications**

- Mining equipment
- Automotive and industrial equipment
- Construction equipment
- Dredging and rock quarry equipment
- Marine deck equipment and offshore drilling equipment
- Paper machines

### **Features/Benefits**

- Outstanding pin and bucket lubrication
- High load-carrying capacity
- Excellent shock-load resistance
- Good oxidation resistance
- Adhesive to metal surfaces
- High shear stability
- Protects against rust and corrosion
- Excellent resistance to water washout

**Adhesive,  
Extreme-Pressure  
Lithium Grease**

### **Contact Information**

**U.S. Customer  
Service:  
1-800-640-1956**

**Technical Hot Line:  
1-800-255-9556**

**International  
Customer Service:  
+1-832-486-3363  
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## Tacna® 2000

### Typical Properties

NLGI Grade	1	2
Thickener	Lithium	Lithium
Color	Amber	Amber
Dropping Point, °C (°F)	200 (392)	200 (392)
Density, lbs/gal	7.42	7.42
Penetration, Worked (60 strokes), ASTM D217	310-340	265-295
Texture	Smooth/Tacky	Smooth/Tacky
Copper Corrosion, ASTM D4048	3a	3a
Four-Ball EP, ASTM D2596, Weld Load, kgf	250	250
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.60	0.60
Oxidation Stability, ASTM D942, 100 hrs, Pressure Drop, psi (kPa)	3 (21)	3 (21)
Rust Prevention, ASTM D1743	Pass	Pass
Timken OK Load, ASTM D2509, lb	65	65
U.S. Steel Mobility, g/sec,		
@ 7°C (20°F)	1.00	0.80
@ -12°C (10°F)	0.60	0.40
@ -18°C (0°F)	0.20	0.10
Water Spray-Off, ASTM D4049, wt loss @ 100°F, %	11	5
Water Washout Resistance, ASTM D1264, wt loss @ 175°F, %	5	5
Base Oil Properties:		
Viscosity,		
cSt @ 40°C	420	420
cSt @ 100°C	27.3	27.3
SUS @ 100°F	2,260	2,260
SUS @ 210°F	135	135
Viscosity Index	85	85
Usable Temperature Range,		
°C	-23 to 141	-18 to 141
°F	-10 to 285	0 to 285

### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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