



Tacna® HD

Conoco Tacna HD is a premium quality, adhesive, extreme-pressure (EP) lithium complex grease developed for industrial use in heavily loaded, slow- to medium-speed bearings. It also is recommended for use as a chassis grease for heavy equipment. It is formulated to provide long service life in severe service applications.

Tacna HD is manufactured with high-quality, high-viscosity naphthenic base oils, a lithium complex soap thickener and a tackifier. It is fortified with extreme-pressure and antiwear additives, plus corrosion and oxidation inhibitors. It has excellent oxidation resistance, a high load-carrying capacity for excellent wear protection, and protects metal parts against rust and corrosion. It has excellent adhesion to bearing surfaces for improved retention and resistance to water washout, and has excellent resistance to structural breakdown even under severe operating conditions.

Applications

- Heavily loaded plain and rolling-element bearings in industrial equipment
- Chassis parts on heavy equipment
- Construction equipment
- Dredging equipment
- Marine deck equipment
- Offshore drilling equipment
- Rock quarry equipment

Features/Benefits

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

**Adhesive,
Heavy Base Oil,
Extreme-Pressure
Lithium Complex
Grease**

**U.S. Technical
Services Hot Line:
1-800-255-9556**

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1-800-640-1956**

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+1-832-486-3363**

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Tacna[®] HD

Typical Properties

NLGI Grade	1	2
Thickener	Lithium Complex	Lithium Complex
Color	Red	Red
Dropping Point, °C (°F)	260 (500)	260 (500)
Density, lbs/gal	7.15	7.15
Penetration, Worked (60 strokes), ASTM D217	325	280
Texture	Smooth/Tacky	Smooth/Tacky
Copper Corrosion, ASTM D4048	1b	1b
Four-Ball EP, ASTM D2596, Weld Load, kgf	315	315
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.45	0.45
Oxidation Stability, ASTM D942, 100 hours,		
Pressure Drop, psi (kPa)	3 (21)	3 (21)
Rust Prevention, ASTM D1743	Pass	Pass
Timken OK Load, ASTM D2509, lb	55	55
Water Washout Resistance, ASTM D1264, wt loss @ 175°F, %	3	2
Base Oil Properties:		
Viscosity,		
cSt @ 40°C	400	400
cSt @ 100°C	26.0	26.0
SUS @ 100°F	2,150	2,150
SUS @ 210°F	129	129
Viscosity Index	85	85
Usable Temperature Range:		
°C	-29 to 191	-18 to 191
°F	-20 to 375	0 to 375

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>.

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

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