



SAFETY DATA SHEET

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GIBRALTAR HI IMPACT HAMMER GREASE High Performance CSC Lubricant for Hydraulic Hammer Tools

GIBRALTAR HI IMPACT HAMMER GREASE is a high-performance grease, specifically designed for Hydraulic Hammers and other tools requiring anti-seize compound. Hydraulic Hammers and other such tools experience extreme shock and axial loads that can lead to rapid wear and tear of contact surfaces and guide bushings.

GIBRALTAR HI IMPACT HAMMER GREASE is formulated in such a way that forms a strong protective film on metal-to-metal contact areas and cling to parts under heavy shock loads, high temperatures and wet conditions. Such extreme EHD and boundary lubrication conditions may cause grease to breakdown, however this grease keeps its integrity and continues protecting the surfaces.

GIBRALTAR HI IMPACT HAMMER GREASE is a unique product based on calcium sulfonate base thickener incorporated with copper and other high-performance additives. Inherent extreme pressure and anti-rust characteristics within calcium sulfonate thickener combined with anti-wear and anti-oxidation additives, makes this grease extremely resilient and long lasting. This unique copper-graphite combination prevents cold galling, seizing and premature wear on plug tools and wear liners.

Product Features:

- Copper and other solid lubricants provide high film strength on contact surface
- Outstanding Extreme Pressure (EP) and Anti-Wear (AW) properties
- Excellent water-resistant properties
- Excellent thermal and shear stability
- Asphalt and chlorine free
- Extended Service life

Customer Benefits:

- Protects metal surfaces during shock loads and seizure conditions
- Outstanding water resistant and anti-rust properties
- Full protection under water ingress conditions
- No breakdown or run-out over long period of use, even at high temperatures

Applications:

- **GIBRALTAR HI IMPACT HAMMER GREASE** is a high-performance service lubricant for heavily loaded Hydraulic Hammers and anti-seize applications in construction, mining and drilling. It can also be used on other industrial equipment in need of anti-seize lubricant, where extreme operating conditions occur. This grease is **NOT** recommended for bearing applications.

Typical Properties

| | | Test Method |
|---------------------------------|--------------------------------|--------------------|
| NGLI Grade | 2 | ASTM D217 |
| Worked Penetration | 265-295 | ASTM D217 |
| Thickener Type | Calcium sulfonate complex | - |
| Base Oil Viscosity @ 40°C, cSt | 460 | ASTM D445 |
| Dropping Point, °F/°C | +550 / +277 | ASTM D2265 |
| Water Resistance | Fully Resistant | DIN-51807 |
| Weld Load, kg | 620 | ASTM D2596 |
| Timken OK Test, Lbs. | 60 | ASTM D2509 |
| Rust Preventative Properties | Pass | ASTM D1743 |
| Operating temperatures | -18°C (0°F) to 180°C (350°F) | - |
| Dry Film Lubrication Temp Range | -18°C (0°F) to 1000°C (1800°F) | - |