



DURALIFE® HEAVY DUTY EP BARIUM COMPLEX GREASES HDBC

For Use in Drilling Rod Applications

DURALIFE® HEAVY DUTY EP BARIUM COMPLEX GREASES HDBC are premium high quality barium complex thickened greases, fortified with premium additives to provide excellent lubrication and adherence on metal surfaces. These greases are characterized by long-fibrous structures and has a highly tenacious appearance. They are recommended in drilling rod applications where adherence and sustainability on metal surfaces, in the presence of water, are desired. They contain extreme pressure additives for excellent protection where constant drilling vibration creates a high load on drilling rod joints.

APPLICATIONS :

DURALIFE® HEAVY DUTY EP BARIUM COMPLEX GREASES HDBC are recommended in diamond drill rod applications and reduce wear and friction between drill rod and rock strata. Besides drilling applications, these greases are also recommended in any application where high adherence on metal surfaces in the presence or absence of water. These tenacious, long fiber barium greases has lubricated successfully to more than 2,000foot drill depths without wash off, or wipe off.

BENEFITS :

- Increase drilling efficiencies
- Excellent adhesive and cohesive properties
- Thermally stable, extreme pressure resistance
- Good rust and corrosion protection
- Outstanding water resistance properties
- Withstands heavy loads and protects from wear
- Reduce in the hole vibrations
- Extend the life of rod steel.

TYPICAL CHARACTERISTICS :

| Product Specifications | Typical Results | |
|--|-----------------|----------------|
| | HDHC 2 | HDHC 3 |
| NLGI Grade | 2 | 3 |
| Thickener type | Barium complex | Barium complex |
| Texture | Fibrous/ Tacky | Fibrous/ Tacky |
| Dropping point , °C (°F) , ASTM D 2265, min. | 204 (400) | 204 (400) |
| Penetration @25 °C(77°F) , Worked (60 Strokes),0.1mm, ASTM D 217 | 265-295 | 220-250 |
| 4-Ball Wear, mm, 1hr ,75 °C ,1200 rpm,40 Kgf , ASTM D 2266 | 0.55 | 0.55 |
| 4- Ball EP, Weld point, Kgf , ASTM D 2596 | 500 | 500 |
| Rust Protection, ASTM D 1743 | Pass | Pass |
| Copper Corrosion, ASTM D 4048 | 1b | 1b |
| Water Spray off, %, ASTM D 4049 | < 10 | < 10 |
| Operating Temperature Ranges: | | |
| Minimum, °C (°F) | -29(-20) | -29(-20) |
| Maximum Continuous Service, , °C (°F) | 177(350) | 177(350) |

The above characteristics are average values based on recent production .Minor variations which do not affect product performance are to be expected in normal manufacture .

WARNING!

Contains petroleum distillates. Contact with skin or eyes can cause irritation. Avoid prolonged contact. Wash thoroughly after handling. Avoid breathing vapors. If irritation, headache or nausea occurs, remove to fresh air. Get medical attention if symptoms persists. If swallowed, do not induce vomiting. Consult physician immediately.

Keep away from children. Do not store above 120°F. Keep away from heat or flame.

Reference MSDS Number 12168 database on our website at www.amtecol.com