



240 COPPER COMPOUND

- GEAR OILS
- MOTOR OILS
- HYDRAULIC OILS
- PIPE COATINGS
- THREAD SEALANTS
- BEARING GREASES
- SPECIALTY GREASES
- THREAD COMPOUNDS
- SUCKER ROD COATINGS
- OUTSIDE PRESERVATIVES
- WIRELINE GREASE SEALS
- CLEANERS & DEGREASERS
- PIPE STORAGE COMPOUNDS
- RUST & CORROSION INHIBITORS
- THREAD LOCKING COMPOUNDS
- VALVE LUBRICANTS & SEALANTS
- TOOL JOINT & DRILL COLLAR COMPOUNDS

PRODUCT DESCRIPTION

240 Copper Compound lubricating compound is formulated with additives to provide extreme pressure performance and greater lubricity. An application of 240 Copper Compound will prevent down-hole makeup even when situations require excessive torque. As a result galling is prevented and ease of breakout is assured. This product is an excellent drill pipe and drill collar compound that ensures a seal on rotary shoulder connections.

240 Copper Compound is a non-flammable lubricant servicing temperatures from 0°F to 400°F (-17°C to 204°C) and has 10,000 psi service rating.

BENEFITS

- Extreme pressure additives
- Excellent lubricity
- Prevents downhole makeup
- Prevents galling
- Lead-free

APPLICATION

240 Copper Compound is recommended for use on drill collars, drill pipe, tool joints, casing, tubing, line pipe, rotary-shouldered connections, and fishing tools. 240 Copper Compound is not recommended for stainless steel fittings where the temperature exceed 500°F (260°C).

TYPICAL OBSERVATIONS

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|-------------------------------------------|----------------------------------|
| Color | Copper/Brown |
| Appearance | Smooth Paste |
| Density, lb/gal@ 77°F (25°C) | 9.9 |
| Specific Gravity @ 77°F (25°C) | 1.10 |
| Dropping Point, ASTM D-2265 | 390°F (199°C) |
| Flash Point, ASTM D-92 | 440°F (227°C) |
| Friction Factor | 1.15 |
| Penetration, ASTM D-217 @ 77°F (25°C) | 330-340 |
| Base Oil Viscosity | |
| cSt @ 40°C | 360 |
| Corrosion Preventive Properties, | |
| ASTM D-1743 125°F (51°C) | Pass |
| Evaporation Loss, | |
| ASTM D-972 @ 210°F (98°C) | 1.80% |
| Oil Separation, ASTM D-1742 @ 77°F (25°C) | <1.0% |
| 4-Ball, Weld Point, Kgf (ASTM D-2596) | 200 Pass 250 Weld |
| Salt Spray Test, ASTM B-117 | 500+ hours |
| Copper Strip Corrosion, ASTM D-4048 | 1A |
| Temperature Range | 0°F to 400°F (-17°C to 204°C) |
| Shelf Life (unopened container) | Four years |

RELATED PRODUCTS

- 220 COPPER SEAL Premium Tool Joint and Drill Collar Compound
- 217 Copper Seal Supreme Premium Drill Collar Compound
- 221 Copper Seal II Premium Drill Collar Compound

