



# JLS<sup>®</sup> (JET-LUBE<sup>®</sup> SPECIAL) WATERWELL DRILL ROD COMPOUND

## DESCRIPTION

**JLS<sup>®</sup> Waterwell Drill Rod Compound** is a more economical, quality product containing premium grade copper flake, amorphous graphite, rust and corrosion inhibitors, and other inorganic solids. All are blended in **JET-LUBE's** unique grease compounded from custom refined, low-sulfur oil to ensure brushability over a wide temperature range, tenacious adherence to all surfaces, resistance to water washout, and prevention of rust/corrosion.

**JLS<sup>®</sup> Waterwell Drill Rod Compound** is a result of laboratory and field development efforts spanning several decades. It is manufactured under the industry's toughest quality control regimen and is especially designed to prevent thread and shoulder wear, and to provide superior performance on the drilling machines and downhole in medium duty drilling just as **KOPR-KOTE<sup>®</sup>** and **JET-LUBE 21<sup>®</sup>** perform in more severe conditions. **For inverted muds or high pH muds use 21 Waterwell.**

- Lead Free
- Zinc Free
- Formulated with a proprietary blend of copper flake, graphite, and other inorganic additives for protection and prevention of excessive circumferential make-up of tool joints in average drilling conditions.
- Unique high temperature grease base with brushability over a wide temperature range.
- Sticks to wet joints.
- Low sulphur content.
- Consistent rig floor make-up.
- Resistance to further make-up downhole in medium drilling.
- **Available in Arctic and Thermal base greases.**

## APPLICATIONS

**JLS<sup>®</sup> Waterwell Drill Rod Compound** is recommended for the entire drill string in most drilling conditions. Typical applications would include HDD wells, standard water-well drilling, and problem holes involving high temperature, and horizontal drilling applications. **JLS<sup>®</sup> Waterwell Drill Rod Compound** prevents high stress in drill pipe connections which shortens their useful life. In the more severe drilling situations such as higher speeds, higher penetration rates, long horizontal holes, or harder formations, drill rods and other rotary shouldered connections should be made up an additional 10%. Friction factors for **JLS<sup>®</sup> Waterwell Drill Rod Compound** were developed using full scale API tool Joint connections.

## PRODUCT CHARACTERISTICS

Thickener	Complex Soap
Fluid Type	Petroleum
Color/Appearance	Bronze Paste
Dropping Point (ASTMD-566)	450°F (232°C)
Gravity	1.18
Density (lb/gal)	9.9
Oil Separation (ASTMD-6184)	<3.0
WT. % LOSS @212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1
Penetration@77°F (ASTMD-217)	310 - 330
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	620

## PACKAGING

Code No.	Container Size	Shipping Wt.
11923	1 gal.	10 lb.
11912	2 gal.	20 lb.
11915	5 gal.	47 lb.
11924	15 gal.	140 lb.
11929	50 gal.	489 lb.

**For package types and part numbers contact [sales@jetlube.com](mailto:sales@jetlube.com).**

## LIMITED WARRANTY

For warranty information please visit [http://www.jetlube.com/pdf/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf)

You can also email us at [sales@jetlube.com](mailto:sales@jetlube.com) or write to the Sales Department at the address below.