



UNIVERSAL

Biodegradable Diamond Drilling Lubricant for Hard Water

DESCRIPTION

UNIVERSAL is a concentrated biodegradable, environmentally friendly oil specifically developed as an extreme pressure diamond drilling lubricant for hard water. **UNIVERSAL** properties are similar to **CORE X** that when mixed into the makeup water **UNIVERSAL** instantly disperses and becomes a micro-emulsion, reducing drill string torque, increasing penetration rates and significantly extending bit life.

APPLICATIONS

UNIVERSAL is specifically designed for poor quality mine water, hard or salty water where it eliminates rod vibration and rattle in diamond drilling operations by depositing a thin film of oil between the rods and the bore hole wall or casing. **UNIVERSAL** reduces torque on the rod string, minimizes wear on rods and equipment and improves penetration rates and extends bit life.

ADVANTAGES

- Highly concentrated product and economical
- Biodegradable, environmentally acceptable, and non-hazardous
- Mixes easily and readily disperses in water without agitation
- Increases productivity by increasing penetration rates and reducing bit costs
- Does not stain the core
- Increases rig performance
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TYPICAL PROPERTIES

Physical Appearance	Dark brown liquid
pH(1% solution)	8.0 – 9.0
Solubility	100%

USAGE

To reduce torque and vibration,
For extremely hard abrasive ground or in deep, directional holes.

2-5lts per 1000lts
5-10lts per 1000lts