GR SEAL

P8610.2102

WBM/OBM Drilling

Product Description

GR SEAL is` high performance synthetic graphite, specially sized and formulated to control loss circulation of drilling fluids.

Product Function

GR SEAL is used as lost circulation additive for synthetic-based, oil–based and water–based fluids. It also helps in controlling partial and seepage losses and as solid lubricant in WBM in addition to liquids, for torque and drag reduction.

Features and Benefits

GR SEAL seals effectively micro–fractures, porous and low-pressure zones. GR SEAL will not plug downhole equipment at high concentrations. User is advised to consult with equipment or tool company before using extra coarse material. GR SEAL maintains control on fluid losses and has been effective to reduce loss of slurries in cementing operations. GR SEAL reduces torque and drag in tight holes, slide drilling and in landing casings. GR SEAL increases strength / pressure gradient of weak formations. GR SEAL provides excellent bridging and lubrication properties. Good prevention of differential sticking and stuck pipe. Very little effect on mud flow properties. GR SEAL is chemically inert; it can be mixed easily with water, oil and synthetic fluids and is compatible with fibers and mineral blends.

Recommended Treatment

The recommended treatment for partial losses is 20 to 50 lb/bbl (57 to 143 kg/m3). It can be used in combination with other lost circulation materials to control partial to severe losses.

International Shipping References

Transportation of GR SEAL is not restricted by any regulatory agency.

Standard Packing

GR SEAL is packaged in 25 kgs (55 lbs) sack.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Solid
- Reservoir Compatible: Non-Reservoir
- Sub Category: Synthetic Graphite
- SG value: 1.7
- Specific Gravity: 1.70
- Max Temperature: 400
- Category: LCM
- Product Tier: Regular
- Appearance: Black granular powder
- Solubility in water: Insoluble

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