

AMC BIT GUARD™

Lubricants & Cutting Oils

IMDEX™

Description

BIT GUARD™ is a lubricant and rate of penetration (ROP) enhancer with additives to help prevent clay and ultra mafic cuttings from balling at the bit or blocking nozzles.

BIT GUARD™ creates a hydrophobic coating on both the bit and cuttings surfaces. This prevents clay and ultra mafic cuttings from balling up the bit and blocking nozzles, improving bit cutting efficiency and increasing penetration rates.

Application

BIT GUARD™ lubricates by producing a soft, tenacious film layer of micro grease on the drill string and bit. The concentrated wetting agents in the product enhance the cooling and wetting of the impregnated particles and accelerate removal of cuttings, improving penetration rates and extending bit life.

BIT GUARD™ is effective in a variety of water qualities including fresh to super saline water.

Recommended Treatment

An initial treatment of 2 – 5L / m³ by volume can be applied. The dosage can be increased to 5 – 10L / m³ to maximise ROP depending on the amount of problematic formation encountered, type of mud system and hole depth.

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

Advantages

- Prevents bit balling and nozzle blockage
- Improves bit life and cutting efficiency
- Reduces wear on the drill string
- Easy to apply
- Environmentally acceptable

Typical Physical Properties

Appearance:	Amber liquid
Solubility in water:	Miscible
Specific Gravity:	0.9 – 1.1
pH (1% solution):	7 - 9

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