

AMC TORQUE GUARD™

LUBRICANTS & CUTTING OILS



Description

AMC TORQUE GUARD™ is a distinctive, next generation, high performance extreme pressure lubricant utilising sophisticated technologies to improve the lubricating qualities of a drilling fluid through advanced adhesion and filming characteristics. AMC TORQUE GUARD™ is a high performance torque reducer specifically designed to provide friction reduction through enhanced lubricating characteristics of most water-based drilling fluid systems.

AMC TORQUE GUARD™ offers additional benefits including; improved production, reduced wear of cutting surfaces, down-hole equipment and pump wet-ends and also prevents corrosion.

Application

AMC TORQUE GUARD™ is highly concentrated, mixes easily and instantaneously and is not generally affected by adverse water quality such as high salt, high pH and extremely high levels of calcium and magnesium. AMC TORQUE GUARD™ deposits a protective film over metal surfaces, which, in turn, reduces frictional drag in extreme pressure environments including both metal to metal and metal to formation friction points. Dosage rates can be increased to improve drilling efficiencies in extremely hard abrasive formations, in deep direction holes or when shale and clays are encountered.

Typical Physical Properties

Appearance: Clear, golden brown to amber liquid
Specific gravity: 0.8 – 1.0
Solubility in water: Miscible

Recommended Treatment

AMC TORQUE GUARD™ can be added directly into the rod line or slowly and consistently via a venturi mixer or through high speed agitation. To ensure maximum performance is achieved AMC TORQUE GUARD™ should be totally homogenized into a system before use. AMC TORQUE GUARD™ is normally added to a system at 0.25 – 0.5% by volume, increased to 0.5 – 1.0% by volume in extremely hard, abrasive or highly deviated deep directional holes.

Advantages

- Rapidly dispersible, highly miscible
- Compatible with most water based muds
- Improves penetration (ROP) and depth capacity
- Enhances the cooling action of the circulating fluid
- Stable in a range of waters types
- Effective in a wide range of drilling applications and geological conditions
- Improves rod, bit and reamer life
- Environmentally acceptable and non-hazardous.

RECOMMENDED USAGE

L / m ³	2.5 – 10.0
% by Volume	0.25 – 1.0
Quart / 100 gallon	1.0 – 4.0

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

ASIA PACIFIC

Perth, Australia (Head Office)

T +61 8 9445 4000
 E amc@imdexlimited.com

Indonesia

T +62 (0) 21 759 11244

AFRICA

South Africa

T +27 (11) 908 5595

EUROPE

Germany

T +49 4402 6950-0

United Kingdom

T +44 (0) 1273 483 700

SOUTH AMERICA

Argentina

T +54 (9) 261 573 2222

Brazil

T +55 (47) 3404 5920

Chile

T +56 (2) 2589 9300

Peru

T +51 (1) 322 8850

NORTH AMERICA

USA / Canada

T +801-364-0233

Mexico

T +52 (871) 169 2095