## **Drilling Fluids - Lubricants**

## **Torqueless**



Product Number: 420-15

The Environmentally friendly drilling product for reducing hole torque, limiting wear and rusting of the rods while extending the product life of the drill bit.

- TORQUELESS is not just another soluble lube, it pays its way.
- TORQUELESS has produced both bit-life and penetration rate increases during operations.
- TORQUELESS is based on an environmentally safe technology which has proven to be effective in lubricating down-hole consumables for over a decade.
- TORQUELESS is non-sheening when accidentally introduced into a water course.
- TORQUELESS inhibits swelling of clay like materials such as saprolites, talcs & kimberlites.
- TORQUELESS is extremely effective for lubricating both down-hole hammers and protecting against drill pipe wear during horizontal drilling (eliminating the need for rock drill oil.)
- TORQUELESS protects drill rod wear when bending your rods.
- TORQUELESS increases tool joint life by reducing torque in the hole.
- TORQUELESS will enhance the effectiveness of powdered mud systems (bentonites, polymers or pac's).
   Combined with the appropriate fluids and mixing systems, Torqueless HDD will reduce stuck drill rods and lost casing in squeezing ground conditions
- TORQUELESS will enhance head and rail life. When tripping pipes the product coats the rails not covering them
  with granules.
- TORQUELESS will add longevity to rod threads.
- TORQUELESS will strip rust off your tooling.
- TORQUELESS enhances and protects directional mud motors.
- TORQUELESS keeps in hole tools lubricated and cool.

SUGGESTED DOSAGE: 1 liter of product per 1000 liters of water (1 quart - 250 gallons)



