OLIVALS

Online Valve Lubrication & Sealing

TDC23 TOOL & DRILL COMPOUND

TDC23 Tool & Drill Compound is a biodegradable non-metallic compound recommended as an alternative to conventional zinc, copper, lead, or Teflon®** compounds. The absence of metals eliminates corrosion problems, making TDC23 Tool & Drill Compound the ideal tool joint and drill collar compound for today's stringent environmental concerns. TDC23 Tool & Drill Compound is designed for drilling hard formations, deep drilling, breaking in new tool joints, directional drilling, crooked holes, and other high torque conditions. TDC23 Tool & Drill Compound has passed the LC-50 toxicity test.

FEATURES:

- Biodegradable
- Metal-free
- Petroleum hydrocarbon-free
- Inhibits corrosion
- Water repellent
- Resists washouts
- Non-toxic
- Environmentally safe
- Friction factor of 1 as per API
- Pumpable

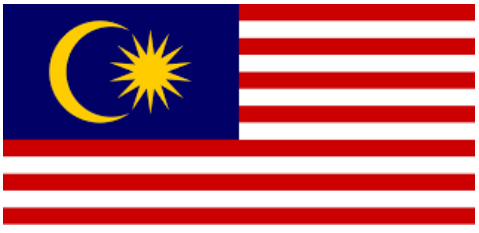
RECOMMENDED USE:

Recommended for use on tool joints, drill collars, and other rotary shouldered connections.

TYPICAL OBSERVATIONS

Color	Black
Texture	Smooth
Density, lb/gal @ 77°F (25°C)	9.15
g/ml @ 77°F (25°C)	1.10
Specific Gravity @ 77°F (25°C)	1.10
Dropping Point, ASTM D-2265	573°F (300°C)
Flash point, ASTM-92	>400°F (>204°C)
Penetration, ASTM D-217 @ 77°F (25°C)	305–335
NLGI Grade	1
Blend Oil Viscosity, cSt @ 40°C	199.87
Water Washout Characteristics, ASTM D-1264 @ 100°F (37°C)	Nil
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	1.0%
Oil Separation, ASTM D-1742 @ 77° (25°C)	0.9%
Friction Factor, API RP 5A3 Annex I	1.0
Shelf Life (unopened container)	Four years

The Friction Factor is determined using standardized equipment and tests performed in accordance with API RP 5A3/ISO 13678 under laboratory conditions. In actual field use pipe size, metallurgy, thread geometry, and drilling mud contamination can effect the makeup torque. Adjustmentsmay be required based on experience and knowledge



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