101EU

FILM FORMING LUBRICANT

Made with LIQUILON®

GEAR OILS
MOTOR OILS
HYDRAULIC OILS
PIPE COATINGS
THREAD SEALANTS
BEARING GREASES
SPECIALTY GREASES
THREAD COMPOUNDS
SUCKER ROD COATINGS
OUTSIDE PRESERVATIVES
WIRELINE GREASE SEALS
CLEANERS & DEGREASERS
PIPE STORAGE COMPOUNDS
RUST & CORROSION INHIBITORS
THREAD LOCKING COMPOUNDS
VALVE LUBRICANTS & SEALANTS
TOOL JOINT & DRILL COLLAR COMPOUNDS

PRODUCT DESCRIPTION

101EU Film Forming Lubricant is a premium quality highly concentrated lubricant that resists the corrosive effects of downhole chemicals. 101EU is made with LIQUILON, which enhances the lubricity and extreme pressure properties. LIQUILON is unaffected by acids, caustics, downhole chemicals, and hydrocarbons including gasoline and solvents.

101EU is inert and thermally stable. The film forming properties of 101EU eliminates wear, guards against rust and corrosion, and prevents metal-to-metal contact thereby significantly reducing operating temperature. In many cases, the power (electricity) to operate is reduced. 101EU provides instant lubrication to equipment critical areas during start up.

BENEFITS

- **REACH compliant**
- **Made with LIQUILON**
- **Highly concentrated**
- **Eliminates wear**
- **Guards against rust and corrosion**
- **Prevents metal-to-metal contact**
- **Provides residual lubrication**
- **Seals wireline tools from the effects of downhole chemicals**
- **Ensures against galling and seizing during makeup of wireline tools**
- **Provides instant lubrication during start up**
- **Service temperatures 10°F to >400°F**

APPLICATION

101EU is recommended for use on O-rings, seal nipples, gaskets, packer plugs, and other downhole tool accessories to ensure against drying, cracking, and downhole contamination.

101EU is also recommended for application to wireline equipment and various downhole tools, where lubrication and corrosion resistance are vital. This lubricant will allow easy break-out and disassembly of downhole tools that have been subjected to adverse downhole chemicals.

TYPICAL OBSERVATIONS

Type	Concentrated Film Forming Lubricant
Color	Green*
Texture	Smooth Paste
Consistency	Buttery
Active Component	LIQUILON
Thickener	Bentone
Density, lb/gal @ 77°F (25°C)	7.65-8.15
Specific Gravity, @ 77°F (25°C)	0.916-0.976
Dropping Point, ASTM D-2265	450°F (232°C)
Flash Point, ASTM D-92	>450°F (>232°C)
Penetration, ASTM D-217 Worked @ 77°F (25°C)	265–295
Base Oil Viscosity	
cSt, 40°C	174.0
cSt, 100°C	17.0
Corrosion Preventive Properties, ASTM D-1743 @ 125°F (51°C)	Pass
Water Washout Characteristics, ASTM D-1264 @ 100°F (37°C)	1.0%
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	2.8%
Oil Separation, ASTM D-1742 @ 77°F (25°C)	Nil
Oxidation Stability, ASTM D-942 @ 210°F (98°C) 72 Hrs. PSI Loss	6
Shelf Life (unopened container)	Two years

** When exposed to UV light, the surface of this product may turn a brownish color. The color change will NOT affect the performance properties of this product.*

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