



## Technical Information

### RCL 1000 & Penetrating Fluid 2000

#### Product Description – RCL 1000

- Resists rust and corrosion
- Specifically designed for thin film, heavy load lubrication applications
- Reduces friction and drag by forming a high strength boundary film
  - Speeds up drilling and tapping; cutting edges remain sharper longer
  - Prolongs operating life
- Displaces water, inhibiting oxidation (rust)
- Will not tarnish metals
- Designed to withstand corrosive environments
- Compatible with typical seals except EPDM
- Apply with a spray or a brush between rubbing surfaces

#### Product Description – Penetrating Fluid

- Heavy duty performance
- Specifically designed for rapid, deep penetration of rusted or seized parts
- Cuts through the most stubborn corrosion with ease
- Excellent surfactancy
- Penetrates in wet conditions and is water soluble
- Reduces shear strength of rust particles at metal interface, minimizing the amount of force needed
- Contains no ozone depleting ingredients and is easily mistable
- Reduces rust formation and displaces water

#### Typical Properties

Properties	Method	Results – RCL	Results - Pen Fluid
Appearance		Clear, Dark, Amber Liquid	Clear, Light, Amber Liquid
Color	ASTM D1500	2.3	1.6
Viscosity @ 40°C	ASTM D445	8 cSt	3.8 cSt
Specific Gravity	ASTM D941	0.860	0.825
Density @ 20°C	ASTM D941	0.860 g/mL	0.825 g/mL
Pour Point	ASTM D97	-36°C	-67°C
Flash Point (COC)	ASTM D92	130°C	108°C
Fire Point (COC)	ASTM D92	135°C	110°C

Available in 17oz. aerosol cans, 5 liter and 20 liter bulk sizes.