

## Soluble Oil 882



**SOLUBLE OIL 882** was developed to provide a heavy duty rolling oil formula with enhanced chemical stability and biostability. It is formulated to provide lubricity, and reduce roll bite friction to the minimum values required for rolling.

It is biologically stable, and does not contain any chlorine, phenols, or nitrites. A special emulsifier system with high molecular weight polymers and esters provide lubricity, film strength and stability against bacteria and oxidation.

**SOLUBLE OIL 882** does not contain fatty acid soaps as emulsifiers or performance additives. This is important, as the soaps serve as an excellent microbial food nutrient, and are rapidly consumed when they complex with FeII and III,  $\text{Ca}^{2+}$ ,  $\text{Al}^{3+}$ , and  $\text{Zn}^{2+}$ . These metals readily react with soaps, causing a depletion of the emulsifier leading to poor emulsion stability. These metallic soap complexes also develop unsightly deposits that can harbor bacteria and reduce the effectiveness of biocides. The soap deposits provide a growth substrate that effectively shields a large population of the bacteria from exposure to the lethal concentrations of biocide.

**SOLUBLE OIL 882** is formulated with polymer chemistry that provides excellent lubricity and reduced roll wear. SOLUBLE OIL 882 is non staining to a variety of metals, exhibits clean burn off and is very effective for ferrous and non ferrous rolling.

### ADVANTAGES:

- Can be used on a wide variety of rolling operations encompassing a wide range of materials.
- Uniformly coats the work rolls and strip, prior to strip entrance at roll bite.
- Long emulsion life – highly resistant to bacterial attack, biostable.
- Environmentally safe – free from chlorine, nitrites, phenols, chromates and diethanolamine.
- Leaves a soft oily film for protection of machinery.
- Mild on skin and low odor – good operator acceptance.
- Provides excellent corrosion protection.
- Stable in hard water.

### **PHYSICAL PROPERTIES:**

Appearance:	clear amber liquid
Viscosity @ 100° F., Saybolt Universal	450 – 490 seconds
Specific Gravity @ 60° F.:	305° F.
pH 5%:	.934
Foam, cylinder test:	9.10
Rust Test @ 5%: Herbert Test	PASS – NO RUST
Residue:	Liquid
Refractometer Factor:	1.0

### **PRODUCT SAFETY:**

For complete safety and health information, consult the current Material Safety Data Sheet (MSDS)

For more information please call 1-800-825-8154.