

## **SYNTHETIC CIRCULATING OIL**

### **ISO GRADES: 1500**

#### **Product Description**

Formulated from high-purity synthetic base stocks, Synthetic Circulating Oil delivers exceptional operating performance and extended service life. This robust formulation is engineered to withstand both high and low temperature environments, heavy gear loads, and severe operating conditions with outstanding shear stability.

A specialized additive system provides enhanced oxidation resistance, excellent lubricity, and superior wear protection in heavily loaded gear and bearing applications. The product is fully demulsible, allowing rapid water separation, and features a high viscosity index that maintains film strength at elevated temperatures while supporting excellent low-temperature performance, including reliable cold start-up.

This lubricant is non-hazardous and can be disposed of in the same manner as mineral-based circulating oils.

#### **Applications**

Synthetic Circulating Oil is recommended for:

- Filled-for-life gearboxes and remote gearboxes where oil change intervals are challenging.
- Low-temperature environments, including ski lifts, where seasonal oil changes can be minimized.
- Mixer roll bearings and roll-neck bearings that experience elevated operating temperatures.
- Oil-flooded rotary screw compressors used in natural gas, field gas gathering, CO<sub>2</sub> service, and other process gases within the natural gas industry.

The formulation is compatible with most seals, plastics, and elastomers, ensuring reliable long-term system integrity.

#### **Typical Properties**

<b>ISO Grade</b>	<b>1500</b>
<b>Appearance</b>	<b>Clear</b>
<b>Viscosity, cSt @ 40°C</b>	<b>1500</b>
<b>Viscosity, cSt @ 100°C</b>	<b>93.0</b>
<b>Viscosity Index</b>	<b>140</b>
<b>Flash Point, COC °F (°C)</b>	<b>446 (230)</b>
<b>Color, ASTM</b>	<b>&lt;0.5</b>
<b>Pour Point °F (°C)</b>	<b>10 (-12)</b>
<b>Gravity, API @ 60°F</b>	<b>27.5</b>

\*The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.