

ConocoPhillips Hydroclear® 15 Rolling Oil

Category : Fluid , Lubricant

Material Notes:

Description: Conoco Hydroclear Rolling Oil is a multipurpose rolling oil formulated from premium Conoco hydrocracked base stocks. Hydroclear Rolling Oil is specially formulated with proprietary additive chemistry and is recommended for use in a variety of rolling applications for nonferrous materials, such as aluminum, copper, brass and other copper alloys. Hydroclear Rolling Oil is nonstaining, does not contain zinc and provides very good wear protection for use in hydraulic systems. Hydroclear Rolling Oil also can be used as an exceptional bearing lubricant and as a roll-coating oil in most mill applications. Hydroclear Rolling Oil provides exceptional oxidation resistance, foam control, rust and corrosion protection and rapid low-temperature demulsibility. Hydroclear Rolling Oil exceeds the performance requirements of Vickers I-286-S and U.S. Steel 127 and 136. Hydroclear Rolling Oil in ISO viscosity grades 150, 320 and 460 exceeds the Morgan Construction Company lubricant specifications for use in No-Twist Rod Mills. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Hydroclear-15-Rolling-Oil.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|------------|---------------------------|-----------------|
| Density | 0.856 g/cc | 0.0309 lb/in ³ | |
| Viscosity Measurement | 100 | 100 | Viscosity Index |
| Saybolt Viscosity at 100°F | 91 SUS | 91 SUS | |
| Saybolt Viscosity at 210°F | 39 SUS | 39 SUS | |
| Kinematic Viscosity at 40°C (104°F) | 17 cSt | 17 cSt | |
| Kinematic Viscosity at 100°C (212°F) | 3.7 cSt | 3.7 cSt | |
| Oxidative Stability | 12000 hour | 12000 hour | ASTM D 943 |
| ASTM Color | 0.50 | 0.50 | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------------------|----------|---------------|----------|
| Four Ball Extreme Pressure, Weld Load | 160 kg | 353 lb (mass) | |
| Four Ball Wear | 0.420 mm | 0.0165 in | |

| Thermal Properties | Metric | English | Comments |
|-------------------------------------|----------|----------|-------------|
| Pour Point | -42.8 °C | -45.0 °F | |
| Rotating Bomb Oxidation Test (RBOT) | 750 min | 750 min | ASTM D 2272 |
| Flash Point | 196 °C | 385 °F | |

| Descriptive Properties | Value | Comments |
|------------------------------------|--------------------|------------|
| ASTM Rust A&B | Pass | ASTM D665 |
| Copper Corrosion | 1A | |
| Emulsion Characteristics (40-40-0) | 5 minutes | |
| Foam Control (Sequence I,II,III) | 0-0-0 | |
| FZG | Pass 9 Load Stages | ASTM D5182 |

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