

ConocoPhillips Hydroclear® 460 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-460-Rolling-Oil.php

Physical Properties	Metric	English	Comments
Density	0.893 g/cc	0.0323 lb/in ³	
Viscosity Measurement	100	100	Viscosity Index
Saybolt Viscosity at 100°F	2195 SUS	2195 SUS	
Saybolt Viscosity at 210°F	142 SUS	142 SUS	
Kinematic Viscosity at 40°C (104°F)	411 cSt	411 cSt	
Kinematic Viscosity at 100°C (212°F)	29 cSt	29 cSt	
Oxidative Stability	2000 hour	2000 hour	ASTM D 943
ASTM Color	5.5	5.5	

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	-15.0 °C	5.00 °F	
Rotating Bomb Oxidation Test (RBOT)	600 min	600 min	ASTM D 2272
Flash Point	288 °C	550 °F	

Descriptive Properties	Value	Comments
ASTM Rust A&B	Pass	ASTM D665
Copper Corrosion	1A	
Emulsion Characteristics (40-40-0)	15 minutes	
Foam Control (Sequence I,II,III)	0-0-0	
FZG	Pass 12 Load Stages	ASTM D5182

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