

ConocoPhillips Hydroclear® 100 3 EP gear Oil

Category : Fluid , Lubricant

Material Notes:

Description: Conoco Hydroclear EP Gear Oil is a premium extreme-pressure industrial gear lubricant with superior deposit control.

Hydroclear EP Gear Oil is specially formulated with proprietary additive chemistry and Conoco premium oils hydrocracked base oil. It is recommended for use in severe service enclosed-gear sets. Hydroclear EP Gear Oil provides "clean gear" performance with exceptional oxidation inhibition, EP load-carrying capacity, foam control, rust and corrosion protection and rapid low-temperature demulsibility.

Hydroclear EP Gear Oil is capable of extending intervals between oil changes by providing "clean gear" performance, coupled with superior oxidation control. Hydroclear EP Gear Oil significantly exceeds the requirements of and has been formally approved by Cincinnati Milacron in accordance with its Lubricant Specifications (ISO 68 to 460, respectively – P-63, 76, 77, 74, 59 and 35). Hydroclear EP Gear Oil exceeds the latest AGMA Specification 9005 (replacement for 250.04) and U.S. Steel 224 Specification for enclosed-gear lubricants. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Hydroclear-100-3-EP-gear-Oil.php

Physical Properties	Metric	English	Comments
Density	0.877 g/cc	0.0317 lb/in ³	
Viscosity Measurement	98	98	Viscosity Index
Saybolt Viscosity at 100°F	542 SUS	542 SUS	
Saybolt Viscosity at 210°F	64 SUS	64 SUS	
Kinematic Viscosity at 40°C (104°F)	104 cSt	104 cSt	
Kinematic Viscosity at 100°C (212°F)	11.1 cSt	11.1 cSt	
ASTM Color	3.0	3.0	

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	250 kg	551 lb (mass)	
Four Ball Wear	0.300 mm	0.0118 in	
Timken Test	31700 g	70.0 lb	

Thermal Properties	Metric	English	Comments
Pour Point	-34.4 °C	-30.0 °F	
Flash Point	235 °C	455 °F	

Descriptive Properties	Value	Comments
Corrosion, Copper Strip	1B	
Demulsibility, Emulsion	0	ASTM D2711
Demulsibility, Free Water	85	ASTM D2711
Demulsibility, Water in Oil	0.6	ASTM D2711
Emulsion Characteristics (40-40-0)	15 minutes	
Foam Control (Sequence I,II,III)	0-0-0	
FZG	Pass 12 Load Stages	
Oxidation Control	1.2 % vis. increase	ASTM D2893

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