

## ConocoPhillips Hydroclear® 150 4 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-150-4-EP-gear-Oil.php](http://www.lookpolymers.com/polymer_ConocoPhillips-Hydroclear-150-4-EP-gear-Oil.php)

| Physical Properties                  | Metric     | English                   | Comments        |
|--------------------------------------|------------|---------------------------|-----------------|
| Density                              | 0.883 g/cc | 0.0319 lb/in <sup>3</sup> |                 |
| Viscosity Measurement                | 98         | 98                        | Viscosity Index |
| Saybolt Viscosity at 100°F           | 810 SUS    | 810 SUS                   |                 |
| Saybolt Viscosity at 210°F           | 77 SUS     | 77 SUS                    |                 |
| Kinematic Viscosity at 40°C (104°F)  | 154 cSt    | 154 cSt                   |                 |
| Kinematic Viscosity at 100°C (212°F) | 14.4 cSt   | 14.4 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         | -26.1 °C | -15.0 °F |          |
| Flash Point        | 243 °C   | 470 °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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