

## ConocoPhillips Hydroclear® 32 AW Hydraulic Fluid

Category : Fluid , Lubricant

### Material Notes:

Description: Conoco Hydroclear AW Hydraulic Fluid is specifically designed for use in high-pressure systems which require greater wear protection and deposit control than that provided by standard antiwear hydraulic fluids. Hydroclear AW Hydraulic Fluid is specially formulated with proprietary additive chemistry and Conoco hydrocracked base oils. Hydroclear AW Hydraulic Fluid is recommended for use in a variety of high-pressure mobile and stationary hydraulic systems utilizing vane, piston or gear pumps. Hydroclear AW Hydraulic Fluid has been tested and approved by Denison Hydraulics in accordance with its premium HF-0 requirements. Hydroclear AW Hydraulic Fluid significantly exceeds the requirements of and has been formally approved by Cincinnati Milacron under specifications P-68 (ISO 32), P-70 (46) and P-69 (68). Hydroclear AW Hydraulic Fluid exceeds Vickers M-2950-S, Vickers I-286-S and U.S. Steel 127 and 136 requirements. Hydroclear AW Hydraulic Fluid MV is available in several grades formulated with exceptional shear stable additives. Hydroclear AW Hydraulic Fluid MV grades are high-viscosity index products with exceptionally low pour points and superior low-temperature pumpability. Hydroclear AW Hydraulic Fluid MV grades can be used year-round in hydraulic systems in virtually all climates. Information provided by ConocoPhillips.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ConocoPhillips-Hydroclear-32-AW-Hydraulic-Fluid.php](http://www.lookpolymers.com/polymer_ConocoPhillips-Hydroclear-32-AW-Hydraulic-Fluid.php)

| Physical Properties                  | Metric     | English                   | Comments        |
|--------------------------------------|------------|---------------------------|-----------------|
| Density                              | 0.859 g/cc | 0.0310 lb/in <sup>3</sup> |                 |
| Viscosity Measurement                | 103        | 103                       | Viscosity Index |
| Saybolt Viscosity at 100°F           | 165 SUS    | 165 SUS                   |                 |
| Saybolt Viscosity at 210°F           | 44 SUS     | 44 SUS                    |                 |
| Kinematic Viscosity at 40°C (104°F)  | 32 cSt     | 32 cSt                    |                 |
| Kinematic Viscosity at 100°C (212°F) | 5.4 cSt    | 5.4 cSt                   |                 |
| Oxidative Stability                  | 7500 hour  | 7500 hour                 | ASTM D 943      |
| ASTM Color                           | 0.50       | 0.50                      |                 |

| Mechanical Properties | Metric   | English   | Comments |
|-----------------------|----------|-----------|----------|
| Four Ball Wear        | 0.400 mm | 0.0157 in |          |

| Thermal Properties | Metric   | English  | Comments |
|--------------------|----------|----------|----------|
| Pour Point         | -37.2 °C | -35.0 °F |          |
| Flash Point        | 216 °C   | 420 °F   |          |

| Electrical Properties | Metric     | English    | Comments           |
|-----------------------|------------|------------|--------------------|
| Dielectric Strength   | 40.0 kV/mm | 1020 kV/in | No thickness given |

| Descriptive Properties             | Value      | Comments |
|------------------------------------|------------|----------|
| Emulsion Characteristics (40-40-0) | 10 minutes |          |
| FZG                                | Pass 11    |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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