

## ConocoPhillips Hydroclear® 22 Ultra-Clean Spindle Oil

Category : Fluid , Lubricant

### Material Notes:

Description: Conoco Hydroclear Ultra-Clean Spindle fluids comprise blends of special base oils and additives specially formulated for use in applications where a lubricant combining the properties of a light spindle oil and light hydraulic oil are required. Information provided by ConocoPhillips.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ConocoPhillips-Hydroclear-22-Ultra-Clean-Spindle-Oil.php](http://www.lookpolymers.com/polymer_ConocoPhillips-Hydroclear-22-Ultra-Clean-Spindle-Oil.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.856 g/cc	0.856 g/cc	ASTM D-4052
API Gravity	33.8 °	33.8 °	ASTM D-1298
Kinematic Viscosity	51.58 cSt @Temperature 21.0 °C	51.58 cSt @Temperature 69.8 °F	ASTM D 445
Kinematic Viscosity at 40°C (104°F)	22.13 cSt	22.13 cSt	ASTM D 445
Kinematic Viscosity at 100°C (212°F)	4.35 cSt	4.35 cSt	ASTM D 445
ASTM Color	<= 0.50	<= 0.50	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.051	0.051	ASTM D4172A
Four Ball Wear	0.437 mm	0.0172 in	Scar Diameter; ASTM D-4172A

Thermal Properties	Metric	English	Comments
Pour Point	-42.8 °C	-45.0 °F	ASTM D-97
Flash Point	168 °C	335 °F	ASTM D-92

Chemical Properties	Metric	English	Comments
Total Acid Number	0.030	0.030	mg KOH/g; ASTM D-974

Descriptive Properties	Value	Comments
Copper Corrosion	1A	ASTM D130
Emulsion Characteristics (40-40-0)	10 minutes	ASTM D-1401
Freshwater Rust Test	Pass	ASTM D665A

Descriptive Properties	Value	Comments <small>packaged goods only.</small>
Sim. Seawater Rust Test	Pass	ASTM D665B
Thermal stability	Pass	Mod. CM "A" Sludge

## Contact Songhan Plastic Technology Co.,Ltd.

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