

ConocoPhillips Hydroclear® 46 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-46-AW-Hydraulic-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.866 g/cc	0.0313 lb/in ³	
Viscosity Measurement	100	100	Viscosity Index
Saybolt Viscosity at 100°F	237 SUS	237 SUS	
Saybolt Viscosity at 210°F	49 SUS	49 SUS	
Kinematic Viscosity at 40°C (104°F)	46 cSt	46 cSt	
Kinematic Viscosity at 100°C (212°F)	6.8 cSt	6.8 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	-34.4 °C	-30.0 °F	
Flash Point	232 °C	450 °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 12	

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