

ConocoPhillips Syncon® 46 Synthetic AW Hydraulic Fluid 46

Category : Fluid , Lubricant , Polyalphaolefin (PAO)

Material Notes:

Description: Conoco Syncon Synthetic AW Hydraulic Fluid is a synthetic polyalphaolefin (PAO) antiwear fluid for hydraulic systems that operate at extreme temperatures. It is available in four ISO viscosity grades: 22, 32, 46 and 68. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Syncon-46-Synthetic-AW-Hydraulic-Fluid-46.php

Physical Properties	Metric	English	Comments
Density	0.845 g/cc	0.0305 lb/in ³	
Viscosity Measurement	137	137	Viscosity Index
Saybolt Viscosity at 100°F	214 SUS	214 SUS	
Saybolt Viscosity at 210°F	51 SUS	51 SUS	
Kinematic Viscosity at 40°C (104°F)	46 cSt	46 cSt	
Kinematic Viscosity at 100°C (212°F)	7.6 cSt	7.6 cSt	
ASTM Color	1.0	1.0	

Thermal Properties	Metric	English	Comments
Pour Point	-56.7 °C	-70.0 °F	
Flash Point	254 °C	490 °F	

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

Chemical Properties	Metric	English	Comments
Total Acid Number	0.70	0.70	

Descriptive Properties	Value	Comments
ASTM Rust A&B	Pass	
Copper Corrosion	1A	
Emulsion Characteristics (40-37-3)	Max 5 minutes	
Vickers 35VQ-25 Pump Test	Pass	

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