



Syncon™ Synthetic AW Hydraulic Fluid

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 two ISO viscosity grades: 22 and 32.

Applications

- Haggblunds Denison HF-O, HF-1 and HF-2 for use in its T5D-42 and T6C-020 vane pumps and P-46 axial piston pump
- Vickers M-2950-S for use in its 35VQ25 and 104C vane pumps
- Racine variable-displacement vane pumps
- DIN 51524 Part 2, HLP22, HLP32, HLP46 and HLP68x
- U.S. Steel 136 and 127
- Bucyrus-Erie blast-hole drills
- Cincinnati Machine P-45 and P-68

Outstanding Features

- Enhances hydraulic-system response at low temperatures
- Lubricates effectively at all temperatures
- Compatible with conventional mineral oils and seals
- Protects against rust, corrosion and wear
- Separates rapidly from water
- Suitable for a wide variety of hydraulic systems

**Synthetic PAO,
Antiwear Hydraulic
Fluid For Extreme
Temperatures**

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Syncon™ Synthetic AW Hydraulic Fluid
Typical Properties

ISO Grade	22	32
Density (lb/gal)	6.96	7.01
API Gravity	38.3	36.9
Specific Gravity, @ 60°F (15°C)	0.833	0.840
Flash Point, (°F) (°C)	415 (213)	470 (243)
Pour Point, (°F) (°C)	-70 (-57)	-70 (-57)
Viscosity, cSt @ 40°C	21	32
cSt @ 100°C	5.3	6.0
SUS @ 100°F	102	151
SUS @ 210°F	44	46
Viscosity Index	203	137
Copper Strip Corrosion Test (D130)	1a	1a
Emulsion Characteristics, minutes, max	41-39-0 5	40-37-3 5
ASTM Rust Tests (A&B)	Pass	Pass
Vickers 35VQ-25 Pump Test	Pass	Pass
Acid No.	0.50	0.70
Dielectric Strength (KV)	40	40
ASTM Color	1.0	1.0
Rust Test, A&B, (D665)	Pass	Pass
Pump Wear Test, (D2882)	<50 mg	<50 mg

Due to continual product research and development, the information contained herein is subject to change without notification.

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