

HOA Series

HOA Series are formulated from high quality base stocks and premium grade anti-wear hydraulic oil additives package to provide excellent performance in most of the Hydraulic applications. It is resistant to oxidation and rust.

Hydraulic Oil series is extremely efficient for hydraulic systems operating in low, high or varying ambient temperature. It ensures stable and smooth operations of hydraulic systems.

APPLICATION

This series are suitable for hydraulic systems of all designs. They are equally usable in industrial, marine and mobile services which operate at low, high or rapidly changing ambient temperature.

BENEFITS

- ◆ Prevents wear, rust and oxidation.
- ◆ Superior usability.
- ◆ Resists foaming.
- ◆ Superior filterability.



TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS			
		HOA 300	HOA 400	HOA 600	HOA 1000
ISO VISCOSITY GRADE	-	32	46	68	100
Appearance	ASTM D 4176	B & C	B & C	B & C	B & C
Color	ASTM D 1500	L 0.5	L 1.0	L 1.0	L 1.5
Density at 30°C gm/ml	ASTM D 4052	0.832	0.857	0.872	0.88
Kinematic Viscosity @ 40°C	ASTM D 445	35.07	48.63	69.92	107.04
Kinematic Viscosity @ 100°C	ASTM D 445	6.41	7.23	8.91	11.59
Viscosity Index	ASTM D 2270	136	108	100	97
Flash Point °C	ASTM D 92	242	245	245	248
Pour Point °C	ASTM D 97	-18	-18	-18	-15





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PERFORMANCE STANDARDS

- ◆ Performance Profile
- ◆ Hydraulic AW is capable of meeting the following specifications:
- ◆ Parker (formerly Denison) HF-0, HF-1, HF-2, (HM, HV)
- ◆ Eaton M- 2950-S and I-286-S3
- ◆ MAG P68, P69, P70 (HM, HV)
- ◆ DIN 51524-2 (HM); DIN 52524-3 (HV)
- ◆ ISO 11158 (HM, HV)
- ◆ ASTM D6158 (HM, HV)
- ◆ SAE MS 1004 (HM, HV)
- ◆ Bosch Rexroth RE 90220
- ◆ JCMAS P041 HK Hydraulic specification
- ◆ ANSI/AGMA 9005-E02-RO
- ◆ GM LS-2
- ◆ AIST 126, 127
- ◆ SEB 181222



Data Sheet



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