

CHEMLUBE® AW SERIES PAO-BASED HYDRAULIC FLUIDS

Applications:

The Chemlube AW Series are fully synthetic and have been formulated from premium polyalphaolefins (PAO) base fluids for use in a wide variety of industrial and mobile hydraulic systems operating at high pressure and under extreme temperature conditions. The Chemlube AW Series have superior anti-wear and rust and oxidation inhibitors to provide excellent wear protection for hydraulic pumps and motors. They have outstanding oxidation resistance and thermal stability to help minimize deposit formation and provide long service life, and protects against rust and corrosion. This series also has excellent demulsibility in the presence of water and provides foam resistance. The Chemlube AW Series are particularly recommended for use in applications where operating conditions may be unfavorable or too severe for conventional mineral oil-based hydraulic oils.

Typical Industrial Applications:

- Hydraulic Systems Operating Under Extreme-Temperature Conditions
- Hydraulic Systems on Mobile Equipment, i.e. Dump Trucks, Motor Graders, Bulldozers, and Forklifts
- Hydraulic Presses, Shears, Jacks and Punches in Machine Shops
- Automated Machine Tools
- Chain Drives
- Plain and Rolling-Element Bearings used in Electric Motors.
- Service Station Lifts
- Electrical Service Repair Trucks
- Compressors
- Vacuum Pumps
- Blowers

Performance Benefits:

- Wide temperature range
- Low pour points
- High flash points

TYPICAL PROPERTIES	TEST METHOD	Chemlube AW 32	Chemlube AW 46	Chemlube AW 68	Chemlube AW 100
ISO Grade	ASTM D2422	32	46	68	100
Viscosity @ 40°C,cSt	ASTM D445	31.1	47.3	68.6	95.2
Viscosity @ 100°C,cSt	ASTM D445	5.75	7.86	10.1	12.85
Viscosity Index	ASTM D2270	127	136	132	133
Flash Point, °C/°F	ASTM D92	240/464	240/464	238/460	260/500
Pour Point, °C/°F	ASTM D97	-48/-55	-48/-55	-48/-55	-45/-49
Copper Corrosion	ASTM D130	1B	1B	1B	1B
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass
Evaporation, %	ASTM D972	<1%	<1%	<1%	<1%

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HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com

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