



Warren[®] Premium MV AW Hydraulic Oils

Warren Premium MV AW Hydraulic Oils are premium quality anti-wear hydraulic oils with outstanding cold temperature flow properties. They are designed for hydraulic systems, and pumps, operating under widely varying conditions and temperatures. These oils are characterized by outstanding rust protection, low deposit formation, rapid demulsibility and release of entrained air, oxidation resistance, low pour points and excellent anti-foam properties. They also contain an effective anti-wear agent that helps reduce wear in high-speed, high-pressure vane and gear pumps.

Warren Premium MV AW Hydraulic Oils are recommended for use in both mobile and stationary hydraulic systems operating under extremely cold ambient temperatures. They are also recommended for hydraulic systems of forklifts operating in cold storage warehouses.

Recommended Applications: Cincinnati Lamb, Hagglunds-Denison HF-0 and HF-2, Vickers M-2950-S and I-286-S, exceeds Vickers 35VQ25 and V104C (ASTM D2882) vane pump tests, and Denison P-46 piston pump and T-6C vane pump tests.

Benefits

- Outstanding cold temperature flow properties
- Rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- Exceptional shear stability
- Dielectric strength in excess of 35 kV



Warren Oil Company, Inc

Dunn, NC 28334; Benton, AL 36758; San Antonio, TX 78210;
Marion, IL 62959; Johnstown, PA 15909; West Memphis, AR 72301



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Typical Characteristics:

	AW 32	AW 46	AW 68	AW 100
	MV	MV	MV	MV
ISO Viscosity Grade	32	46	68	100
Specific Gravity	0.862	0.857	0.880	0.878
Flash Point °F (°C)	401 (205)	400 (204)	428 (220)	435 (224)
Pour Point °F.	-50	-45	-42	-38
Color	<0.5	1.0	<0.5	<0.5
Viscosity				
@ 40 . °C, cSt	32	46.6	68	100
@100 . °C, cSt	6.26	8.46	10.5	13.3
Viscosity Index	150	160	140	134
Gravity, °API	32.6	33.7	29.3	29.6
Rust Test, ASTM D665	Pass	Pass	Pass	Pass
Dielectric Strength, kV	35+*	35+*	35+*	35+*

*Note: The dielectric strength will decrease if the oil becomes contaminated with dirt, or even a very small amount of water.



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