



Warren[®] Premium AW Hydraulic Oil

Warren Premium AW Hydraulic Oils are premium quality anti-wear hydraulic oils with excellent stability, designed to meet the most stringent requirements of most major manufacturers and users of hydraulic equipment. These oils are characterized by outstanding rust protection, low deposit formation, good demulsibility, rapid 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 AW Hydraulic Oils are recommended for use in vane, gear and piston pumps operated above 3000 psi. These anti-wear hydraulic oils are very effective in reducing vane and gear pump wear and greatly extend the life of systems operating at high loads, speeds and temperatures.

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

Warren Premium AW Hydraulic Oils are particularly well suited for all industrial and mobile hydraulic system applications. These products satisfy the requirements of major hydraulic equipment manufacturers and are suitable for all types of hydraulic pumps except for those containing silver plated parts which require non-zinc oils. These oils can also be used for those compressors which call for a non-detergent motor oil.

Benefits

- Excellent wear protection
- Rapid release of any entrained air
- Excellent rust and corrosion protection
- Easy filterability



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

	Warren Premium AW Hydraulic Oils				
	32	46	68	100	150
ISO Viscosity Grade	10W	20W	20W	30W	40W
SAE Viscosity Grade	.871	.876	.884	.885	.882
Specific Gravity	396 (202)	405 (208)	410 (210)	410 (210)	450 (232)
Flash Point °F (°C)	-30	-30	-30	-6	10
Pour Point °F.	Light Pale	Light Pale	Light Pale	Light Pale	Dark Pale
Appearance	32	46	68	100	150
Viscosity @ 40 °C, cSt	5.4	6.9	8.8	11.4	14.6
Viscosity @ 100 °C, cSt	165	227	352	525	790
Viscosity @ 100 °F, SUS	44	48	56	65	78
Viscosity @ 210 °F, SUS	103	100	102	100	95
Viscosity Index	31.5	30.0	28.5	28.4	28.9
Gravity, °API	Pass	Pass	Pass	Pass	Pass
Rust Test, ASTM D665	5000+	5000+	5000+	5000+	4500+
Oxidation, ASTM D-943	0.6	0.6	0.6	0.6	0.6
Total Acid Number, ASTM D664					



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