



Coastal[®] Premium AW Hydraulic Oil

COASTAL PREMIUM AW HYDRAULIC OILS are premium quality anti-wear hydraulic oils with excellent stability, designed to meet the most stringent requirements of most all major manufacturers and users of hydraulic equipment. They are formulated using Group II base stocks for increased oxidation performance. These oils are characterized by outstanding rust protection, low deposit formation, good demulsibility, rapid release of entrained air, oxidation resistance, low pour points and good anti-foam properties. They also contain an effective anti-wear agent that helps reduce wear in high-speed, high-pressure vane and gear pumps.

COASTAL 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: (for appropriate viscosity grade) Cincinnati Lamb, Hagglands-Denison HF-0, HF-1, 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, U.S. Steel 127 and 136, and DIN 51524 Part II.

COASTAL 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 the very small number of pumps containing silver plated parts which still require non-zinc oils.

Benefits

- Excellent wear protection
- Rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- Easy filterability



Warren Oil Company, LLC

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

Coastal 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	405 (208)	405 (208)	410 (210)	410 (210)	450 (232)
Flash Point °F (°C)	-30	-27	-11	0	10
Pour Point °F.	2.0	2.0	2.0	2.0	2.0
Color					
Viscosity					
@ 40 °C, cSt	32	46	68	100	150
@100 °C, cSt	5.4	6.9	8.9	11.5	14.6
@ 100 °F, SUS	165	227	352	525	790
@ 210 °F, SUS	44	48	56	66	78
Viscosity Index	100	100	100	100	95
Gravity, °API	31.5	30.0	28.5	28.4	28.9
Rust Test, ASTM D665	Pass	Pass	Pass	Pass	Pass
Oxidation, ASTM D943	5000 +	5000 +	5000 +	5000 +	4500+
Total Acid Number, ASTM D664	0.6	0.6	0.6	0.6	0.6
Dielectric Strength*, ASTM D877, Pail	35kV	35kV	-	-	-

*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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