

PURUS[®] AW PREMIUM HYDRAULIC OILS

Manufactured with highly refined base oils

DESCRIPTION: **PURUS[®] AW Premium Hydraulic Oils** are premium anti-wear hydraulic oils with superior stability and are formulated to meet the most stringent requirements of most hydraulic equipment. These oils are characterized by outstanding rust protection, low deposit formation, excellent demulsibility, rapid release of entrained air, oxidation resistance, low pour points and good anti-foam properties. These oils contain an anti-wear agent to reduce wear in high-speed, high-pressure vane and gear pump and are manufactured using quality paraffinic base oils and premium additive chemistry.

APPLICATION: **PURUS[®] AW Premium Hydraulic Oils** are recommended for use in vane, gear and piston pumps operated above 3000 psi. They are very effective in reducing vane and gear pump wear and greatly extend the life of systems operating at high loads, speeds and temperatures.

Fives Cincinnati (formerly MAG Cincinnati, Cincinnati Machine, Cincinnati Milacron) Denison HF-0 and HF-2, Eaton-Vickers M-2950-S and I-286-S, passes Eaton-Vickers 35VQ25 and V104C (ASTM D2882) vane pump tests, passes Denison P-46 piston pump, DIN 51524 Part II and T-6C vane pump tests.

PERFORMANCE BENEFITS: **PURUS[®] AW Premium Hydraulic Oils** are formulated for all industrial and mobile hydraulic system applications. They are suitable for use in all types of hydraulic pumps with the exception of pumps containing silver plated parts which require non-zinc oils.

- Excellent wear protection and rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection and easy filterability
- Non-Conductive (Note: Dielectric strength and conductivity value applies at “point of manufacture” of packaged product from AIOD manufacturing facility and will change if oil becomes contaminated with dirt or even a small amount of water)

TYPICAL PROPERTIES†:	ISO	32	46	68	100
	SAE Viscosity Grade		10W	20W	20W
Specific Gravity		0.871	0.876	0.884	0.885
Flash Point Deg F (C)		405 (208)	405 (208)	410 (210)	410 (210)
Pour Point Deg F.		-27	-27	-27	-6
Appearance		Light Pale	Light Pale	Light Pale	Light Pale
Viscosity					
@ 40 Deg. C, cSt		32	46	68	100
@100 Deg. C, cSt		5.4	6.9	8.9	11.5
@ 100 Deg. F, SUS		165	227	352	525
@ 210 Deg. F, SUS		44	48	56	66
Viscosity Index		100	100	100	100
Gravity, API		31.5	30	28.5	28.4
Non-Conductive, 25kV minimum		35*	35*	35*	35*
Rust Test, ASTM D665		Pass	Pass	Pass	Pass
Oxidation ASTM D-943		5000	5000	5000	5000

*Dielectric strength will decrease if the oil becomes contaminated with dirt or even a very small amount of water.

† Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

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