

## PURUS® AW HYDRAULIC OILS

Manufactured with virgin base oils

**DESCRIPTION:** **PURUS® AW 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. PURUS® AW Hydraulic Oils contain an anti-wear agent that help to reduce wear in high-speed, high-pressure vane and gear pumps. PURUS® AW Hydraulic Oils are manufactured using quality paraffinic base oils and premium additive chemistry.

**APPLICATION:** **PURUS® 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.

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.

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

### PERFORMANCE

#### BENEFITS:

- Excellent wear protection
- Rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- 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	30W
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.



Revised: 03/17

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† 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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