

## PURUS<sup>®</sup> SYNTHETIC AW HYDRAULIC OILS

Manufactured with virgin base oils

**DESCRIPTION:** PURUS<sup>®</sup> Synthetic AW Hydraulic Oils are premium quality anti-wear hydraulic oils, which are formulation using advanced zinc based anti-wear additive technology, combined with full synthetic base oils.

**APPLICATION:** PURUS<sup>®</sup> Synthetic AW Hydraulic Oils are recommended for applications calling for: Fives Cincinnati (formerly MAG Cincinnati, Cincinnati Machin, Cincinnati Milacron), Parker Hannifin (Denison) HF-0, HF-1, HF-2, Eaton(formerly 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.

### PERFORMANCE

#### BENEFITS:

- High Viscosity Index (VI) for increased temperature range
- Excellent wear protection
- Outstanding oxidation and thermal stability for long life
- Rapid release of entrained air
- Excellent rust and corrosion protection
- Easy filterability

#### TYPICAL PROPERTIES\*:

	<b>22</b>	<b>32</b>	<b>46</b>	<b>68</b>
ISO Viscosity Grade	22	32	46	68
SAE Viscosity Grade	5W	10W	20W	20W
Specific Gravity	0.837	0.843	0.846	0.845
Flash Point °F ( °C )	405 (208)	405 (208)	410 (210)	410 (210)
Pour Point °F.	-40	-40	-40	-30
Color	1.5	1.5	1.5	1.5
Viscosity				
	@ 40 °C, cSt	20.3	32.3	47.1
	@100 °C, cSt	4.3	6	8.4
Viscosity Index	124	132	154	145
Gravity, °API	37.7	36.4	35.7	36
Rust Test, ASTM D665	Pass	Pass	Pass	Pass
Oxidation, ASTM D943	>6000	>6000	>6000	>6000
Total Acid Number, ASTM D664	0.6	0.6	0.6	0.6
Dielectric Strength **, ASTM D877, Pail	35kV	35kV	35kV	35kV

\*\* 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

\*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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