

## PURUS® AW HYDRAULIC MV OILS

Manufactured with virgin base oils

**DESCRIPTION:** **PURUS® AW Hydraulic MV Oils** are premium-quality anti-wear hydraulic oils with outstanding cold temperature flow properties. These products are formulated for use in hydraulic systems and pumps, operating under widely varying conditions and temperatures. PURUS®AW Hydraulic MV Oils are characterized by outstanding rust protection, low deposit formation, rapid demulsibility and 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.

**PURUS® AW Hydraulic MV Oils** are recommended for use in both mobile and stationary hydraulic systems operating under extremely cold ambient temperatures. These products are also recommended for hydraulic systems of forklifts operating in cold storage warehouses.

**APPLICATION:** Cincinnati Lamb, Hagglunds-Denison HF-0 and HF-2, Vickers M-2950-S and I-286-S, exceeds Vickers 35VQ25 and V104C (ASTM D2882) vane pump tests, and Denison P-46 piston pump and T-6C vane pump tests. Meets the requirements of DIN 51524 Part 3 and Bosch Rexroth RD/RE 90220-1 (except AW 100 MV Hydraulic Fluid).

**PERFORMANCE BENEFITS:**

- Outstanding cold temperature flow properties
- Rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- Excellent shear stability
- \*Non-Conductive (Note: Dielectric strength and conductivity will change if oil becomes contaminated with dirt or even a small amount of water)

**TYPICAL PROPERTIES:**

	<b>AW 22</b>	<b>AW 32</b>	<b>AW 46</b>	<b>AW 68</b>	<b>AW 100</b>
	<b>MV</b>	<b>MV</b>	<b>MV</b>	<b>MV</b>	<b>MV</b>
ISO Viscosity Grade	22	32	46	68	100
Specific Gravity	0.863	0.862	0.857	0.88	0.878
Flash Point °F ( °C )	401 (205)	401 (205)	400 (204)	428 (220)	435 (224)
Pour Point °F.	-50	-50	-60	-42	-38
Color	<0.5	<0.5	<0.5	<0.5	<0.5
Viscosity					
@ 40 . °C, cSt	22	32	46.6	68	100
@ 100 . °C, cSt	4.75	6.26	8.46	10.5	13.3
Viscosity Index	140	150	160	140	134
Rust Test, ASTM D665	Pass	Pass	Pass	Pass	Pass
Dielectric Strength, kV	35+*	35+*	35+*	35+*	35+*



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