

PURUS® ZINC FREE AW PREMIUM HYDRAULIC MV OILS

Manufactured with highly refined base oils

DESCRIPTION: PURUS® Zinc Free AW Premium Hydraulic MV Oils are designed to give long service in high-output hydraulic systems. These zinc free hydraulic oils are blended using the latest anti-wear additive technology along with very high shear stable VI improver. PURUS® Zinc Free AW Premium Hydraulic MV Oils have a high viscosity index, low pour point for a wider temperature range and provide excellent wear protection, thermal stability and oxidation.

APPLICATIONS: PURUS® Zinc Free AW Premium Hydraulic MV Oils are recommended for use in all applications calling for anti-wear hydraulic oil and meet or exceed the following specifications: FIVES (formerly Cincinnati-Milacron) P-68, P-69, P-70, Denison HF-0 (HF-1 and HF-2 are included in HF-0 designation), Vickers E-FDGN-TB002-E (superseded M-2950-S and I-286-S) DIN 51524 Part 2 and Part 3, ISO11158 HV, ASTM D6158-16, JCMAS HC VG32W AND JCMAS- HC VG46W, and Bosch Rexroth RE90220-01

- Excellent water separation (demulsibility) that facilitates water removal
- Zinc Free wear protection to reduce negative impact of unavoidable water condensation in machinery after shutdown
- Reduce oils consumption and improve equipment protection through outstanding shear and oxidation stability
- Excellent filterability minimized the tendency to cause filter blockage
- Fast air release and antifoam properties minimize pump cavitation in systems with high circulation rates
- Very low viscosity variation and quick start ups thanks to the latest polymer technology that provides excellent low-temp performance and maintains precision of machinery when hot, cold, or under high loads. The VI improver used in these hydraulics is highly resistant to mechanical stress, and the “stay in grade” characteristics ensure effective lubrication and long oil life.

TYPICAL PROPERTIES*:

		32	46	68	
Pour Point °C (F°)	D5950	-51 (-59°)	-51 (-59°)	-48 (-54°)	
Flash Point	D92	227	232	240	
Color	D1500	L0.5	L0.5	L1.0	
Viscosity					
	@ 40 °C, cSt	D445	24.7	48.6	65.66
	@ 100 °C, cSt	D445	6.73	8.43	10.72
Total Acid Number, mg KOH/g	D664	0.4	0.31	0.26	
Viscosity Index	D2770	155	150	154	
Gravity, °API	D1250	33.2	32.1	30.8	
Dielectric KV	D877	35+**	35+**	35+**	
Oxidation Life typical values, hours to TAN-2.0, min	D943	7,000	>10,000	>10,000	
Water Separability	D1401	40-40-0(10')	40-37-3(15')	40-38-2(15')	
Foam characteristics	D892	Pass	Pass	Pass	

**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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