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# DURAGARD®

## WTH-MV® WIND TURBINE HYDRAULIC SERIES OILS ADVANCED TECHNOLOGY SYNTHETIC BLEND LUBRICANTS

**DURAGARD® WTH-MV® WIND TURBINE HYDRAULIC** is a line of superior premium quality, anti-wear hydraulic oils that are designed to meet the requirements of severe duty fluid power hydraulic systems operating in extremes of temperature. WTH-MV can also function effectively as a non-EP gear and bearing circulating oil. They are formulated with select 100% very high viscosity index Group-II and synthetic blended clear base oils that provide superior low temperature fluidity, high temperature film strength and stable extra long service life that simply can not be achieved using conventional mineral base oils. The formulation uses heavy duty service proven anti-wear additive systems that are very effective in reducing wear in pumps and gears while providing the durability for extended drain intervals. This line also has excellent water separation, rust and corrosion prevention, oxidation stability, and anti-foam properties. The true Multi-Viscosity (MV), broad temperature range is made possible by the use of very high VI blend stocks and allows for even and continuous power transmission over a wider temperature range with increased accuracy compared to single weight conventional hydraulic oils.

**DURAGARD® WTH-MV® WIND TURBINE HYDRAULIC** meets or exceeds the requirements similar to Denison HF-0/T6C, HF-O/T5D, HF-2, Eaton Vickers I-286-S, M-2950-S, Racine Model S, Cincinnati Machine P68/ ISO-32, P-70/ ISO-46, P69/ISO-68 (formerly Cincinnati Milacron).

### Typical specifications

<b>DURAGARD® WTH-MV®</b>	ARCTIC AW 32	AW 46	AW 68
ISO Viscosity Grade @40 C	32	46	68
Viscosity			
cSt @ 100-C	6.65	8.5	11.0
cSt @ 40-C	32.0	46.0	68.0
Viscosity Index	171	168.0	153
Pour Point, deg C (F) ASTM D-97	-48 (-55)	-43 (-46)	-39 (-38)
Flash Point, deg C (F)	250 (482)	249 (480)	244 (471)
Foam, ASTM D 892, Seq. 1, 11 & III	Pass	Pass	Pass
Oxidation Stability, ASTM D 943 (hrs)	<b>8000</b>	<b>8000+</b>	<b>8000+</b>
Rust Protection, ASTM D 665 A & B	Pass	Pass	Pass
Vane Pump Test, ASTM D 2882	Pass	Pass	Pass
<b>35VQ25</b> Vane Pump Test	Pass	Pass	Pass
Dielectric Strength min ASTM D-877	35 kV	35 kV	35 kV
Meets or exceeds the requirements of:			
Denison HF-0, HF-2	Yes	Yes	Yes
Cincinnati Machine	P68	P70	P69
Racine Model S	Yes	Yes	Yes

Typical test data average values only, minor variations which do not affect product performance are to be expected during normal manufacturing.

READ ENTIRE MSDS BULLETIN FOR HANDLING AND SAFETY INFORMATION

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