

UNITED SYNTHETIC ANTI-VARNISH MV HYDRAULIC OIL



United Synthetic Anti-Varnish MV (multi-viscosity) Hydraulic Oils are formulated with a high viscosity index for all-season use in cold and hot weather.

Features:

- Zinc-based anti-wear system protects vane, gear, and piston pumps.
- Excellent extreme-temperature properties reduce the need for seasonal oil changes.
- Helps extend filter life.
- Strong varnish-control properties improve system reliability.
- High viscosity index improves the likelihood of product consolidation.
- Resists foam to help eliminate sponginess.
- Resists electrical conductivity (dielectric strength > 35 kV).
- Designed to reduce seal and hose leaks.

TYPICAL SPECIFICATION DATA

UNITED SYNTHETIC ANTI-VARNISH MV HYDRAULIC OIL				
ISO GRADE	22	32	46	68
Viscosity @ 100°C (cSt)	5.3	6.5	8.5	11.1
Viscosity @ 40°C (cSt)	23.9	32.2	47.0	68.4
Viscosity Index	160	163	160	154
Density (lb/gal)	7.01	7.04	7.09	7.15
Pour Point (°C)	-48	-45	-43	-40
Pour Point (°F)	-54	-49	-45	-40
Flash Point (°C)	226	224	244	250
Flash Point (°F)	439	435	471	482
4-Ball Wear Scar (mm)	0.42	0.42	0.41	0.41
KRL Stability	Pass	Pass	Pass	Pass
Copper Corrosion	1A	1A	1A	1A
Dielectric Strength	47	45	44	45
Viscosity, Brookfield cP @ -20°C	760	1300	1980	3870

Meets or Exceeds:

- Denison HF-0, HF-1, HF-2 (ISO 32, ISO 46, ISO 68)
- Vickers I-286S, M2950S (ISO 32, ISO 46, ISO 68)
- DIN 51524 Parts 2&3 (ISO 32, ISO 46, ISO 68)

Product Availability: United Synthetic Anti-Varnish MV ISO 22

- 5 Gal*
- 55 Gal*
- 275 Gal*

Product Availability: United Synthetic Anti-Varnish MV ISO 32

- 5 Gal*
- 55 Gal*
- 275 Gal*

Product Availability: United Synthetic Anti-Varnish MV ISO 46

- 5 Gal*
- 55 Gal*
- 275 Gal*

Product Availability: United Synthetic Anti-Varnish MV ISO 68

- 5 Gal*
- 55 Gal*
- 275 Gal*

**Contact your local United Account Manager for product availability.*