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800-772-8179

Synthetic Anti-Varnish, All-Season Hydraulic Oil

TMC Industries Synthetic Anti-Varnish, All-Season Hydraulic Oil is formulated with a high viscosity index to ensure reliable use in hot and cold weather.

ISO Grade	32	46
Stock Codes	103124 103125	103126 103127
Denison* HF-0, HF-1, HF-2	X	X
Vickers* I-286SS, M2950S	X	X
DIN 51524 Parts 2 & 3	X	X

*All trademarked names are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use.

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Test	Procedure	Results (Typical)	
Stock Codes	-	103124 103125	103126 103127
ISO Grade	D2422	32	46
Viscosity 100°C, cSt	D445	6.5	8.5
Viscosity 40°C, cSt	D445	32.2	47
Viscosity Index	D2270	163	160
Brookfield Viscosity @ -20°C	D2983	1300	1980
Specific Gravity (g/ml)	D1298	0.8458	0.8519
Density, (lb/gal)	D1298	7.042	7.093
Color	D1500	L0.5	L0.5
Flash Point, °C (°F) (COC)	D92	224 (435)	244 (471)
Fire Point, °C (°F) (COC)	D92	244 (471)	264 (507)
Pour Point, °C (°F)	D97	-45 (-49)	-43 (-45)
Cincinnati Millicron* Thermal Stability	D2070	Pass	Pass
Four Ball Wear Test	-		
75°C, 1200 rpm, 40 kg, 1 hr	D4172	0.42	0.41
KRL Shear Stability (High VI) 20 hours, 15%	-		
Max, SIG (Stay in Grade)	DIN 51350-6	Pass	Pass
Parker Hannifin* Filterability	TP-02100-A		
a) No Water	-	Pass	Pass
b) 2% Water	-	Pass	Pass
Foam Tendency	D892		
SEQ I (ml)	-	0/0	0/0
SEQ II (ml)	-	10/0	10/0
SEQ III (ml)	-	0/0	0/0
Demulsibility	D1401	40-40-0 (25)	40-40-0 (20)
Copper Corrosion 100°C, 3 hr	D130	1A	1A
Seal Compatibility ISO SRE-NBR/1	-		
100°C x 168 hrs	D471	Pass	Pass
Dielectric Strength >35kv	D877	45	44

Chemical Properties

Metals (wt%)		-	-
Calcium	-	0.0020%	0.0020%
Phosphorus	-	0.0410%	0.0410%
Sulfur	-	0.0810%	0.0810%
Zinc	-	0.0555%	0.0555%

The information contained herein is accurate to the best of our knowledge at the time of printing.

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