

TriboSys™ Medical Lubricant Line

TriboSys™ oils and greases provide superior quality lubrication under the most challenging medical applications in comparison to hydrocarbon and silicone alternatives. TriboSys™ lubricants offer several different grades to meet all medical application requirements.

Typical Properties

Oil	MS-3130MD	MS-3140MD	MS-3150MD	MS-3160MD	MS-3170MD
Grease	MS-3230MD	MS-3240MD	MS-3250MD	MS-3260MD	MS-3270MD
ISO Grade of Oil ¹	32	68	150	220	460
Estimated Useful Range ²					
°C	-60 to 154	-51 to 179	-36 to 204	-36 to 260	-30 to 288
°F	-76 to 310	-60 to 355	-33 to 400	-33 to 500	-22 to 550
Oil Viscosity, cSt					
20°C (68°F)	82	177	522	822	1535
40°C (104°F)	30	60	160	243	450
100°C (212°F)	5	8.4	18	25	42
204°C (400°F)	-	-	3.1	4.1	6
260°C (500°F)	-	-	-	2.4	3.3
Oil Viscosity Index	92	111	124	134	145
Oil Pour Point					
°C	-60	-51	-36	-36	-30
°F	-76	-60	-33	-33	-22
Oil Density, g/ml					
0°C (32°F)	1.92	1.93	1.94	1.95	1.95
100°C (212°F)	1.74	1.75	1.76	1.77	1.78
Maximum Oil Volatility, ASTM D2595 % in 22 hr.					
121°C (250°F)	7	3	1	<1	-
204°C (400°F)	-	-	7	<3	<1
Oil Separation from Grease, ASTM D6184 wt loss, % in 30 hr					
99°C (210°F)	6	5	5	4	4
204°C (400°F)	-	-	-	12	12

This table gives typical properties (not specifications) based on historical production performance. Viscosity may vary within ±10%

¹Approximate

²Based on pour point and where evaporation is approximately 10%.

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