



**BASE OILS
TYPICAL PROPERTY DATA¹**

PROPERTY	TEST METHOD ²	Process Oils		Group II Base Oils		
		70-HC	75-HC	100-HC	230-HC	600-HC
Appearance	Visual	Clear&Bright	Clear&Bright	Clear&Bright	Clear&Bright	Clear&Bright
Color	D-1500	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5
API Gravity	D-4052	33.7	32.6	33.8	31.4	30.2
Specific Gravity 60/60°F	D-4052	0.8566	0.8624	0.8557	0.8687	0.8752
Pounds per Gallon		7.14	7.18	7.13	7.24	7.29
Viscosity, SUS @ 100°F	D-445/-2161	72.3	77.5	108.4	214.1	545.4
SUS @ 210°F	D-445/-2161	36.4	36.9	40.4	47.7	67.7
cSt @ 40°C	D-445	12.67	13.86	20.66	41.57	104.73
cSt @100°C	D-445	3.00	3.15	4.19	6.42	12.00
Viscosity Index	D-2270	85	79	105	103	104
Flash Point, °C (°F)	D-92	183 (361)	185 (365)	205 (401)	229 (444)	271 (519)
Fire Point, °C (°F)	D-92	215 (420)	215 (420)	235 (455)	257 (495)	300 (575)
Noack Volatility, wt. % loss	D-5800			23.8	10.7	2.6
Simulated Distillation Data:	D-2287					
5 % Off Pt., °F		643	644	681	723	818
50 % Off Pt., °F		697	699	758	829	945
95 % Off Pt., °F		743	751	850	947	1066
Saturates, wt. %	UV / HPLC	99 min	99 min	99 min	99 min	99 min
Sulfur, ppm	D-5453	1	1	1	1	1
Water, ppm	D-6304	17	15	26	25	21
Pour Point, °C (°F)	D-5950	-30 (-22)	-31 (-23)	-15 (+5)	-13 (+9)	-13 (+9)
Cold Crank, cP @ Temp. °C	D-5293	979 @ -30°C	1,355 @ -30°C	1,1372 @ -25°C	3,216 @ -20°C	

¹ Representative values given for information only. Please contact FHR Marketing for specifications or other information.

² ASTM unless otherwise specified.