



**BASE OILS
TYPICAL PROPERTY DATA ¹**

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	33.8	33.0	34.7	31.7	30.3
Specific Gravity 60/60°F	D-4052	0.8561	0.8600	0.8516	0.8668	0.8743
Pounds per Gallon		7.13	7.16	7.09	7.22	7.28
Viscosity, SUS @ 100°F	D-445/-2161	72.2	77.3	107.4	215.7	561.4
SUS @ 210°F	D-445/-2161	36.3	36.8	40.3	47.7	67.5
cSt @ 40°C	D-445	12.65	13.82	20.46	41.85	107.59
cSt @100°C	D-445	2.99	3.13	4.18	6.41	11.95
Viscosity Index	D-2270	82	78	106	102	100
Flash Point, °C (°F)	D-92	189 (372)	189 (372)	207 (405)	226 (439)	265 (509)
Fire Point, °C (°F)	D-92	215 (419)	215 (419)	235 (455)	257 (495)	300 (572)
Noack Volatility, wt. % loss	D-5800			24.3	11.0	
Simulated Distillation Data:	D-2887					
5 % Off Pt., °F		638	636	673	722	824
50 % Off Pt., °F		693	694	758	831	942
95 % Off Pt., °F		744	751	858	949	1047
Saturates, wt. % minimum	UV / HPLC	99 min	99 min	99 min	99 min	99 min
Sulfur, ppm	D-5453	< 1	< 1	< 1	< 1	< 1
Nitrogen, ppm	D-4629	< 1	< 1	< 1	< 1	< 1
Water, ppm	D-6304	33	33	36	32	29
Pour Point, °C (°F)	D-5949	-34 (-29)	-34 (-29)	-13 (+ 8)	-14 (+ 6)	-14 (+ 6)
Cold Crank, cP @ Temp. °C	D-5293	1,033 @ -30°C	1,355 @ -30°C	1,353 @ -25°C	3,355 @ -20°C	

¹ Representative values given for information only. Please contact FHR Marketing for specifications or other information.
Base Oil Marketing, P.O. Box 2917, Wichita, Kansas 67201, Phone: (800) 257-7366

² ASTM unless otherwise specified.