

## BASE OIL

**KLEEN PERFORMANCE PRODUCTS BASE OIL** serves the needs of industrial and automotive customers requiring the highest quality Group II+ and API Group II paraffinic base oil.

These high quality products easily allow you to optimize additives to meet performance objectives, lowering blending costs and eliminating compensation issues, while gaining improved performance of final oil and lubricant products.

### TYPICAL PROPERTIES

KLEEN PERFORMANCE PRODUCTS	METHOD	RHT70	RHT120	RHT240
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	ASTM D7279 ASTM D7279	12.7 3.0	24.8 4.8	43.4 6.9
Viscosity Index	ASTM D2270	94	113	117
Color	ASTM D1500	L 0.5	L 0.5	L 1.5
Appearance	Visual	Clear & Bright	Clear & Bright	Clear & Bright
Specific Gravity @ 15°C (60°F)	ASTM D4052	0.849	0.849	0.854
Flash Point, °C	ASTM D92	196	228	250
Pour Point, °C	ASTM D5949	-21	-18	-15
Cold-Cranking Simulator @ -25°C, cP @ -20°C, cP	ASTM D5293 ASTM D5293	600 -	1730 960	4950 2650
Evaporative Loss, NOACK, wt%	ASTM D5800	-	12.5	5.5
Volatility @ 371°C, wt%	ASTM D2887	-	3.9	1.4
Sulfur, µg/g	ASTM D5185	< 300	< 300	< 300
Polycyclic Aromatics, wt%	IP 346	< 3.0	< 3.0	< 3.0
Modified Ames Assay	ASTM E1687	MI < 1	MI < 1	MI < 1

Note: Values shown above are representative of current production and may vary within modest ranges

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