



ISO 9001/2000 Registered

Typical Properties

RHT BASE OILS

East Chicago and Breslau Refineries

Note: The values are representative of current production and may vary within modest ranges.

Property	ASTM Test Method	RHT 70	RHT 85	RHT 120	RHT 150	RHT 240
Viscosity, cSt @ 100C	ASTM D445	2.9	3.8	4.6	5.1	7.0
Viscosity, cSt @ 40C	ASTM D445	11.8	17.5	24.5	28.6	46.0
Viscosity Index	ASTM D2270	86	99	101	108	108
Copper Corrosion	ASTM D130	1a	1a	1a	1a	1a
Aniline Point, F	ASTM D611	202	212	219	226	234
Pour Point, C	ASTM D97	-18	-18	-15	-15	-12
Flash Point, C	ASTM D92	180	196	220	220	240
Specific Gravity, 60F	ASTM D1298	0.8580	0.8600	0.8610	0.8630	0.8670
Color	ASTM D1500	L1.0	L1.0	L1.0	L1.0	L1.0
Sulfur, ppm	ASTM D5185	250	250	250	250	340
Refractive Index	ASTM D1218	1.4746	1.4738	1.4745	1.4742	1.4771
Sulfated Ash, %	ASTM D874	<0.04	<0.04	<0.04	<0.04	<0.04
Molecular Weight	ASTM D2502	325	340	400	400	470
Noack Distillation, wt%	D5800	-	36	16	15	8
Volatility, wt%	D972	-	0.12	0.37	N/A	N/A
Modified Ames Assay	ASTM E 1687	Pass	Pass	Pass	Pass	Pass
Polycyclic Aromatic, %	IP346	<3.0	<3.0	<3.0	<3.0	<3.0
Clay-Gel, wt %	ASTM D2007					
Saturates		85	88	90	90	89
Aromatics		14.7	11.8	9.8	9.7	10.7
Polar Compounds		0.3	0.2	0.2	0.3	0.3

Hydrotreated paraffinic process oils, offer great additive solvency, good color stability, low volatility for multifunctional blending. All process oils pass modified Ames test requirements.