



CROSS L-1500

BASE OILS

Cross L Series are severely hydro treated naphthenic base oils manufactured from select crude streams. They offer low pour point, good solvency and color stability. They are ideal for production blending and exhibit excellent solubility with additive systems.

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL
		Min	Max	
Physical Properties				
Viscosity, cSt @ 40° C	D-445	277.6	313.6	295
Viscosity, cSt @ 100° C	D-445	16.1	17.26	17.6
Viscosity, SUS @ 100° F	D-2161	1500	1700	1575
Viscosity, SUS @ 210° F	D-2161	84.5	89.2	86.2
Gravity, API, 60° F	D-4052	19.5	22.5	21.1
Specific Gravity, 60/60° F	D-1250	-	-	0.9273
Pounds per Gallon @ 60° F	D-1250	-	-	7.722
Flash, COC, C° (F°)	D-92	226 (440)	-	238 (460)
Pour Point, C° (°F)	D-97	-	-4 (+40)	-9 (+15)
Color	D-1500	-	3.5	L2.5
Aniline Point, C° (°F)	D-611	-	-	94 (201)
Viscosity-Gravity Constant	D-2501	-	-	0.858
Molecular Weight	D-2502	-	-	480
Refractive Index @ 20° C	D-1747	-	-	1.510
Refractivity Intercept	D-2159	-	-	1.046
Aromatic Carbon Atoms, %Ca	D-2140	-	-	19
Naphthenic Carbon Atoms, %Cn	D-2140	-	-	33
Paraffinic Carbon Atoms, %Cp	D-2140	-	-	48
Asphaltenes, Mass %	D-2007	-	-	0.0
Polar Compounds, Mass %	D-2007	-	-	2.5
Aromatics, Mass %	D-2007	-	-	39.8
Saturates, Mass %	D-2007	-	-	57.7
Sulfur, Mass %	D-4294	-	-	0.09
UV Absorptivity, 260 NM	D-2008	-	-	7.0
Volatility, 22 hr/225° F, % Mass	D-972	-	-	0.3
DMSO Extract, wt.%	IP-346	-	3.0	< 3.0

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice.

Health And Safety Information See separate Safety Data Sheets available on request.

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Cross Oil Refining & Marketing, Inc.

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