



CROSS L-5000

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	-	-	908
Viscosity, cSt @ 100° C	D-445	30		33.9
Viscosity, SUS @ 100° F	D-2161	-	-	5055
Viscosity, SUS @ 210° F	D-2161	148	-	166
Gravity, API, 60° F	D-4052	19.2	22.2	20.1
Specific Gravity, 60/60° F	D-1250	-	-	0.9334
Pounds per Gallon @ 60° F	D-1250	-	-	7.773
Flash, COC, C° (F°)	D-92	245 (475)	-	258 (495)
Pour Point, C° (°F)	D-97	-	+4 (+40)	-1 (+30)
Color	D-1500	-	6.5	5.5
Aniline Point, C° (°F)	D-611	-	-	105 (221)
Viscosity-Gravity Constant	D-2501	-	-	0.852
Molecular Weight	D-2502	-	-	560
Refractive Index @ 20° C	D-1747	-	-	1.517
Refractivity Intercept	D-2159	-	-	1.054
Aromatic Carbon Atoms, %Ca	D-2140	-	-	20
Naphthenic Carbon Atoms, %Cn	D-2140	-	-	24
Paraffinic Carbon Atoms, %CP	D-2140	-	-	56
Asphaltenes, Mass %	D-2007	-	-	0.0
Polar Compounds, Mass %	D-2007	-	-	7.2
Aromatics, Mass %	D-2007	-	-	38.7
Saturates, Mass %	D-2007	-	-	54.1
Sulfur, Mass %	D-4294	-	-	0.30
UV Absorptivity, 260 NM	D-2008	-	-	8.94
Volatility, 22 hr/225° F, % Mass	D-972	-	-	0.1
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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