



CROSS L-GSO

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	57.17	62.76	59.85
Viscosity, cSt @ 100° C	D-445			6.44
Viscosity, SUS @ 100° F	D-2161	300	330	315.5
Viscosity, SUS @ 210° F	D-2161			47.9
Gravity, API, 60° F	D-4052	19.9	23.8	22.1
Specific Gravity, 60/60° F	D-1250			0.9212
Pounds per Gallon @ 60° F	D-1250			7.671
Flash, COC, C (F)	D-92	185 (365)		192 (375)
Pour Point, C (°F)	D-97		-23 (-10)	-29 (20)
Color	D-1500		2.0	L1.5
Aniline Point, C (°F)	D-611			82 (180)
Viscosity-Gravity Constant	D-2501			0.8715
Molecular Weight	D-2502			370
Refractive Index @ 20° C	D-1747			1.508
Refractivity Intercept	D-2159			1.047
Aromatic Carbon Atoms, %Ca	D-2140			18
Naphthenic Carbon Atoms, %Cn	D-2140			35
Paraffinic Carbon Atoms, %Cp	D-2140			47
Asphaltenes, Mass %	D-2007			0.0
Polar Compounds, Mass %	D-2007			0.6
Aromatics, Mass %	D-2007			34.8
Saturates, Mass %	D-2007			64.6
Sulfur, Mass %	D-4294		0.10	0.06
UV Absorptivity, 260 NM	D-2008			3.9
Volatility, 22 hr/225° F, % Mass	D-972			3.0
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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