



CROSS L-G46

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 | 44.2 | 49.7 | 47 |
| Viscosity, cSt @ 100° C | D-445 | 5.38 | 5.89 | 5.65 |
| Viscosity, SUS @ 100° F | D-2161 | 220 | 260 | 240 |
| Viscosity, SUS @ 210° F | D-2161 | 44.4 | 46 | 45.2 |
| Gravity, API, 60° F | D-4052 | 21.4 | 24.4 | 22.4 |
| Specific Gravity, 60/60° F | D-1250 | - | - | 0.9194 |
| Pounds per Gallon @ 60° F | D-1250 | - | - | 7.656 |
| Flash, COC, C (F) | D-92 | 174 (345) | - | 180 (355) |
| Pour Point, C (°F) | D-97 | - | -23 (-10) | -34 (-30) |
| Color | D-1500 | - | 2.0 | L1.5 |
| Aniline Point, C (°F) | D-611 | - | - | 79 (175) |
| Viscosity-Gravity Constant | D-2501 | - | - | 0.8728 |
| Molecular Weight | D-2502 | - | - | 350 |
| Refractive Index @ 20° C | D-1747 | - | - | 1.508 |
| Refractivity Intercept | D-2159 | - | - | 1.050 |
| Aromatic Carbon Atoms, %Ca | D-2140 | - | - | 17 |
| Naphthenic Carbon Atoms, %Cn | D-2140 | - | - | 36 |
| Paraffinic Carbon Atoms, %Cp | D-2140 | - | - | 47 |
| Asphaltenes, Mass % | D-2007 | - | - | 0 |
| Polar Compounds, Mass % | D-2007 | - | - | .75 |
| Aromatics, Mass % | D-2007 | - | - | 36 |
| Saturates, Mass % | D-2007 | - | - | 63.25 |
| Sulfur, Mass % | D-4294 | - | 0.10 | 0.05 |
| UV Absorptivity, 260 NM | D-2008 | - | - | 3.7 |
| Volatility, 22 hr/225° F, % Mass | D-972 | - | - | 4.2 |
| 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.

Smackover, AR 71762 | USA | Phone 800 864-6275 | www.crossoil.com

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