

Product Information



CrossTrans 206

DESCRIPTION

CrossTrans 206 is a specially processed electrical insulating oil produced from severely hydrotreated naphthenic base oils to assure high electrical resistance. It is formulated with an oxidation inhibitor to provide excellent oxidative stability.

CrossTrans 206 meets the requirements of a Type II electrical insulating oil. It has been reviewed and approved by major regional and provincial power utilities and commonly used in transformers, circuit breakers, oil filled switches and medical X-ray equipment.

PERFORMANCE:

CrossTrans 206 complies fully with the following specifications:

ANSI / ASTM D-3487, Type II
 Doble TOPS-884, Inhibited Type II
 BS 148:1984, Class IIA (Inhibited)
 CAN/CSA-C50-08, Type II (Class B)
 NEMA TR-P8-1975

| TEST NAME | TEST METHODS | SPECIFICATIONS | | |
|---|--------------|------------------|------------|------------------|
| | | Minimum | Maximum | Typical |
| Aniline Point, °C | D-611 | 63 | - | 71 |
| ASTM Color | D-1500 | - | 0.5 | L 0.5 |
| Flash Point, °C | D-92 | 145 | - | 150 |
| Interfacial Tension @ 25°C, dynes/cm | D-971 | 40 | - | 50 |
| Pour Point, °C | D-97 | - | -40 | -54 |
| Specific Gravity, 15°C/15°C; kg/m ³ | D-1298 | - | 0.910 | 0.894 |
| Viscosity, cSt (SUS): | | | | |
| @ 100 °C | | | 3.0 (36) | 2.34 |
| @ 40 °C | D-445 | - | 12.0 (66) | 9.54 |
| @ 0 °C | | | 76.0 (350) | 61.9 |
| @ -40 °C | | | 6000 | 4000 |
| Visual Examination | D-1524 | Clear and Bright | - | Clear and Bright |
| Dielectric Breakdown Voltage,60 Hz: Disc electrodes, kV | D-877 | 30 | - | 50 |
| Dielectric Breakdown Voltage,60 Hz: VDE Electrode, kV | D-1816 | 28 | - | 36 |
| Dielectric Breakdown Impulse Impulse Cond. 25C, 1-in, Impulse Cond. 25C, 1-in, Impulse Cond. @ 25°C, 1-in, (25.4mm) gap | D-3300 | 145 | - | 160 |
| Gassing Tendency, uL/min | D-2300B | - | +30 | -10 |

CROSS OIL REFINING & MARKETING, INC.

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|--|----------|----------------|--------------|---------------|
| Power Factor @ 60 Hz, %, max | | | | |
| @ 25° C | D-924 | - | 0.05 | < 0.001 |
| @ 100° C | | | 0.30 | 0.05 |
| Water, ppm | D-1533 | - | 35 | 12 |
| Neutralization Number, mg KOH/g | D-974 | - | 0.03 | < 0.01 |
| Corrosive Sulphur | D-1275 B | Non-corrosive | - | Non-corrosive |
| PCB Content, ppm | D-4059 | Not detectable | - | ND |
| Oxidation Stability @ 72 Hours | D-2440 | | | |
| % Sludge, by Mass | | - | 0.15 | < 0.01 |
| Total Acid Number mg KOH/g | | - | 0.30 Maximum | < 0.01 |
| Oxidation Stability @ 164 Hours | D-2440 | | | |
| % Sludge, by Mass | | - | 0.20 Maximum | < 0.01 |
| Total Acid Number mg KOH/g | | - | 0.40 | < 0.01 |
| Rotating Bomb, minutes | D-2112 | 195 | | 350 |
| Oxidation Inhibitor, % Mass | D-2668 | - | 0.30 | 0.25 |
| DMSO Extract, wt. % | IP-346 | - | 3.0 | < 1.0 |

Quality and life of transformer oils depend upon the adherence to prescribed norms while in storage and during handling. A high level of caution is required to maintain the quality of transformer oil because of its high sensitivity to even minute contamination.

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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