

Product Information



CrossTrans™ 206

DISTRIBUTED BY:
R.E. CARROLL, INC.
 1570 NORTH OLDEN AVENUE
 TRENTON N.J. 08638-3204
 PH: 609-695-6211/800-257-9365
 F: 609-695-0102
 www.recarroll.com

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, COC °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 |

CROSS OIL REFINING & MARKETING, INC.

SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ www.crossoil.com

Product Information

| | | | | |
|--|----------|----------------|--------------|---------------|
| Gassing Tendency, uL/min | D-2300B | - | +30 | -10 |
| 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 |

REACH Registration

CAS No. 64742-53-6
CAS No. 64742-52-5

Pre-registration 02-2118612511-56-0000
Registration 01-2119467170-45-0030

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.

Note: Crosstrans 206 meets the requirements for IEC 60296 with the exception for IEC 61125 tTAN and sludge content following 500 hour oxidation

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.

Cross™ and **CrossTrans™** are trademarks of Cross Oil Refining & Marketing, Inc.. All other marks are property of their respective owners.

CROSS OIL REFINING & MARKETING, INC.

SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ www.crossoil.com
