

# Transformer Oil Inhibited

Premium performance inhibited electrical insulating oil



## Product description

Transformer Oil Inhibited is a premium performance inhibited electrical insulation oil suitable for use in normal or severe operating conditions such as high ambient temperatures, where oxidation resistant and thermally stable insulating oils that meet the IEC 60296:2020 (Edition 5) transformer oil specification are required.

Transformer Oil Inhibited is formulated with highly refined inhibited naphthenic base oils and does not contain poly-chlorinated biphenyls (PCBs).

## Customer benefits and product features

### Customer benefits

- Oxidation resistance helps prevent sludge, deposits and soluble compounds in high ambient temperatures or extended service conditions
- Efficient heat transfer in cooling transformer component by removal of heat from heat generating components
- Helps maximize life for oil switches with rapid arc quenching properties to reduce contact erosion
- Low solvency of oil components helps to protect electrical wire elements
- Helps maintain transformer efficiency with high dielectric strength and low dissipation factor to provide good insulating characteristics

### Product features

- Formulated for severe operating conditions
- Oxidation resistant and thermally stable
- Helps extend service life
- PCB-free

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## Applications

- Transformers
- Oil-immersed switchgear
- Circuit breakers
- Oil-filled capacitors
- Tap changers
- Electrical reclosures
- Fuses

## Performance Standards

Transformer Oil Inhibited is developed independently by Chevron to meet the following specification:

- IEC 60296:2020 (Edition 5) requirement

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## Typical Test Data

| TRANSFORMER OIL INHIBITED                | TYPICAL RESULTS* |
|--|------------------|
| <b>Product Code</b>                      | <b>520608</b>    |
| Breakdown Voltage (Before Treatment), kV | 62               |
| Dissipation Factor @ 90°C                | <0.001           |
| Neutralization Value, mgKOH/g            | <0.01            |
| Kinematic viscosity,                     |                  |
| mm <sup>2</sup> /s @ 40°C                | 10.25            |
| mm <sup>2</sup> /s @ -30°C               | 1385.5           |
| Flash point, PM, °C                      | >140             |
| Corrosive Sulphur                        | Non corrosive    |
| Pour Point, °C                           | -45              |
| Inhibitor Content, wt%                   | 0.38             |

\*Results shown above are typical results and may vary due to testing methods

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

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