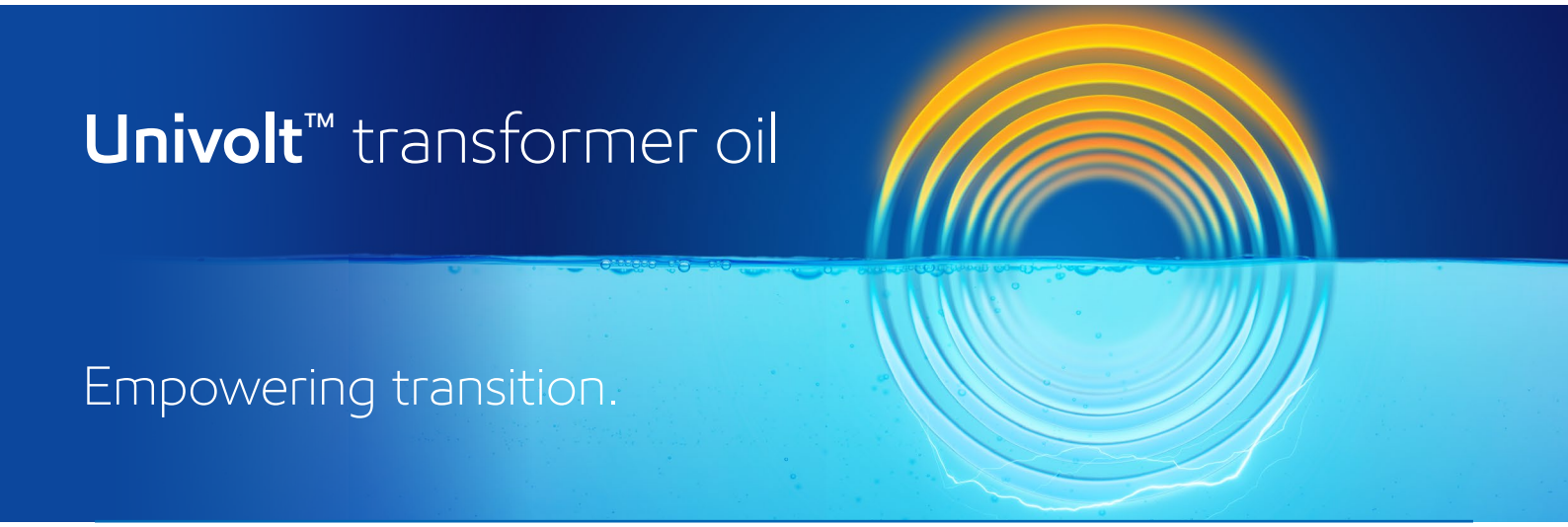
ExxonMobil

Univolt™ transformer oil



Empowering transition.

Enhancing grid reliability

Global electricity demand is projected to nearly **double* by 2050**, driven by urban expansion, increased industrialization, and **electrification** of various uses. The need for **high performance electrical infrastructure** has never been greater.

Modern power grids require efficient and reliable transformers. **High purity transformer oil** can help by maintaining efficiency, preventing overheating, and extending equipment lifespan. **Univolt™ transformer oil**, an inhibited naphthenic oil, is engineered to optimize transformer performance through excellent cooling, insulation, and long-term stability.

Extended transformer lifecycle | **Enhanced transformer load capacity** | **Exceptional stability & purity** | **Superior safety & worker comfort**

Key benefits of Univolt™ transformer oil

Extended transformer lifecycle enabled by outstanding oxidation stability

- Prevents degradation and sludge formation.
- **Reduces maintenance costs** by protecting transformer components over time.
- Retains dielectric strength due to insulating properties longer than traditional alternatives.

Enhanced transformer load capacity

- **Superior heat capacity** ensures effective dissipation of excess heat.
- **Low-temperature viscosity** maintains optimal function in extreme conditions.

Exceptional stability & purity

- **High purity** through proprietary manufacturing process.
- **No blended streams**, ensuring predictable, long-term performance.
- Reliable **structural integrity**, reducing risks of contamination.
- **Ideal for high-load applications** requiring stable dielectric properties.

Superior safety & worker comfort

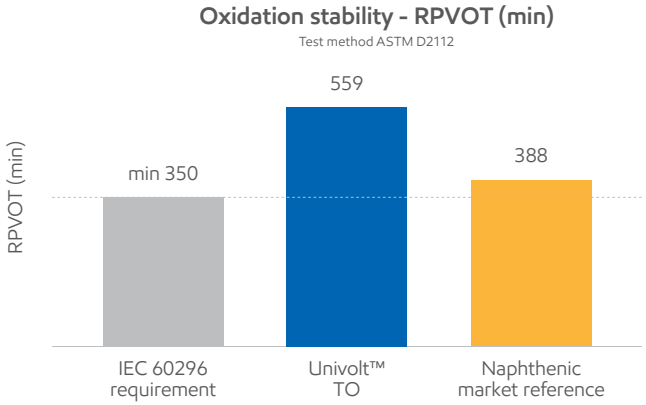
- **Low aromatic content (<1wt%)** enhances operational safety.
- Low exposure risks, supporting **improved handling and application**.
- Reduces maintenance hazards, ensuring **safer working conditions**.

*ExxonMobil 2025 Global Outlook

Extended transformer lifecycle

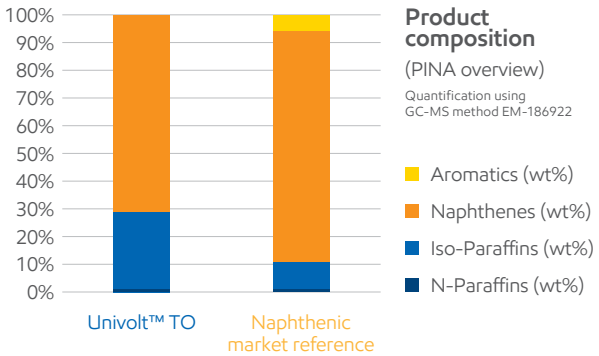
Univolt™ transformer oil (TO) is designed for exceptional oxidation stability, enabling long-term performance and reliability. With its superior di-electric properties and outstanding oxidation resistance, it prevents sludge formation and degradation.

This high-purity formulation maintains insulation integrity far longer than traditional alternatives, protecting itself against oxidation, protecting the equipment from premature wear and reducing maintenance costs. Thanks to its ultra-low contaminant levels—minimized sulfur and aromatics—Univolt™ transformer oil is the optimal choice for extending transformer life.



Unrivalled worker safety & comfort

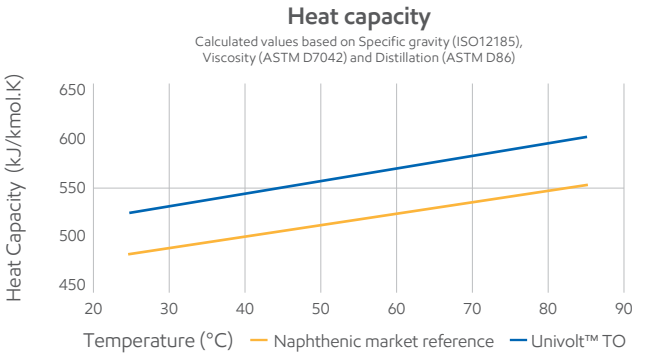
With a low aromatic content (<1wt%), Univolt™ transformer oil enhances safety and efficiency in operations. It reduces the risk of exposure, improving worker protection and comfort, and making storage, handling, and application easier.

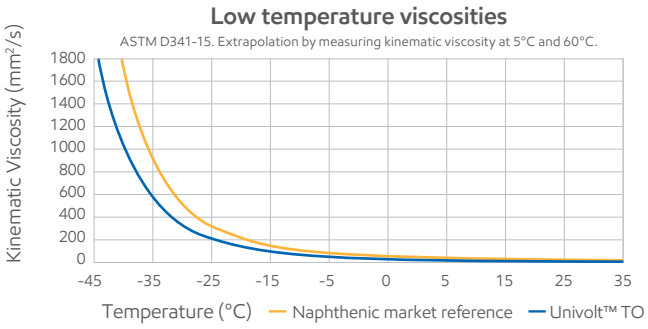


Enhanced transformer load capacity

Engineered for efficiency, Univolt™ transformer oil delivers superior heat dissipation and low-temperature viscosity, outperforming market reference naphthenic oils. It effectively transfers excess heat, **maintaining optimal temperatures, preventing overheating, and preserving insulation integrity**.

By continuously regulating transformer heat levels, Univolt™ transformer oil ensures safe, efficient, and long-lasting operation while minimizing risks associated with thermal degradation.





Exceptional stability & purity

Univolt™ transformer oil is manufactured through a proprietary refining process, ensuring high consistency and purity. The lack of blending different streams guarantees inherent stability, consistency, and integrity over time.

Have a technical question?
Connect directly with our technical experts at **exxonmobilchemicals.com/AnswerPerson**

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