

## Procedure

### Introduction

Paryol Electra 7426® is an innovative vegetable-based dielectric fluid. Studies have demonstrated its long-term stability, also at elevated temperatures, in comparison with other vegetable oils on the market.

It is however always advisable to take all the necessary precautions in handling and storing Paryol Electra 7426® in order to avoid premature deterioration.



### Delivery and storage of Paryol Electra 7426®

Paryol Electra 7426® can be delivered in bulk (min. 8000 kg) or in sealed containers (25 kg, 190 kg or 1000 kg). Before drumming operations, Paryol Electra 7426® is filtered, dried and degassed. Thanks to our automated system, each container is finally saturated with an inert nitrogen atmosphere. A slight deformation of the containers might be noticed at delivery because Paryol Electra 7426® can be bottled above room temperatures.

When stored in sealed containers, Paryol Electra 7426® has a very good shelf-life. However, once opened, it is recommended to take precautions in order to avoid contact with air. Paryol Electra 7426® is hygroscopic and tends to absorb moisture from the atmosphere.

If you open a container and do not use all the product, remember to fill the empty volume with nitrogen gas. If this is not possible, check at least that the lid is properly sealed in order to keep the fluid as dry as possible.

If Paryol Electra 7426® is stored in IBC, it is recommended to avoid the exposure to direct sunlight and to weather humidity.

If standard tanks for mineral oils are used, it is again recommended to fill the empty volume with nitrogen in order to avoid moisture contamination.

Thanks to its properties, Paryol Electra 7426® is an excellent lubricant and for this reason it can be easily pumped.

Like with any other dielectric fluid, a buildup of electrostatic charges is possible when the product flows through the pipes. The user must verify that all pumping lines and containers are properly secured and grounded during pumping operations.

### Transformer filling and loading

In order to avoid the incorporation of air, the transformer should be filled under vacuum. If this is not technically feasible, the filling operation should be performed from the bottom.

In order to facilitate cellulose impregnation during the filling, it is recommended to heat Paryol Electra 7426® up to about 65 °C. At that temperature the viscosity of the liquid is very similar to that of mineral oil at 20 °C, and it is therefore possible to reach a similar impregnation rate.

It is also recommended to fill the transformer slowly in order to facilitate the cellulose impregnation, and then to wait at least 24 hours before applying the voltage for the first time.

During all stages of the filling procedure, it is essential to avoid the introduction of moisture or particles. The outlet of the filling pump should be protected with a fine mesh filter (e.g. paper).

Please refer to the Technical Data Sheet for all the relevant physico-chemical properties.

### Disclaimer

This document applies as a general guidance and does not convey safety informations. Refer to original manufacturer's operation and maintenance guides appropriate for each transformer before beginning any operation.

**All applicable safety codes and procedures must be followed.**

A&A Fratelli Parodi Spa shall not be held liable for any damage or injury resulting from incorrect performing of the procedure reported therein.



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