Service Power Technologies

Medium voltage service
Maintenance of minimum oil circuit breakers
Series OD / OK / SC / SD / SE

The main cause of failures and malfunctions of circuit breakers is usually related to the aging and/or wear-out of components. The ‚Maintenance of minimum oil circuit breakers' service package obviates the effects of component aging. Our specifically trained and qualified personnel removes the most common wear parts in time and replaces them with new and original spare parts that are in conformity with the manufacturer's specifications.

As a result, it is possible to maintain the circuit breaker condition as specified and thus reduce the risk of down-time. This way, maximum availability and reliability of supply, as well as optimal performance of the circuit breakers can be achieved.

In conformity with the applicable BGV A3 regulations (issued by the German Employers Liability Insurance Association), owners of electrical installations and equipment are required to take adequate measures so that the operational safety of installations and the safety of operating staff are assured.

We, as the original equipment manufacturer, therefore recommend to conduct a maintenance program in line with the scope of requirements defined for the ‚Maintenance of minimum oil circuit breakers' service package every 4 years. The recommended maintenance cycle depends on the number of operating cycles and short-circuit breaking operations, as well as on the year of manufacturing of the respective minimum oil circuit breaker. For more information, please refer to the respective operating instructions. The materials and services in connection with the service package that are rendered on site and according to schedule also cover all related labor, material and tool costs:

Material
- Service set of pole pieces
- Service set of operating mechanisms
- Insulating and quenching oil
- Auxiliary agents (grease, cleaning agents, etc.)

Services
- Opening the pole pieces
- Checking the contact pins, quenching heads, tulip contacts, and rockers
- Replacing the seals
- Installing the pole pieces
- Filling in new insulating and quenching oil
- Visual inspection of the circuit-breaker operating mechanism
- Checking the breaker settings
- Checking the contact points and all screw connections
- Functional check of the switching device in a switchbay (test position)
- Drawing up a maintenance report for each switching device

For more information please contact:

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