

SERVICE AND RETROFIT.

PREVENTIVE OLTC MAINTENANCE.



Service by MR – the best care for your OILTAP® on-load tap-changers.
Let us show you why.

When you purchase an on-load tap-changer from MR, you can expect fully developed market-leading technology offering zero-compromise quality and maximum reliability. Professional maintenance of your equipment guarantees our performance promise and ensures maximum transformer availability. Our specially trained service engineers help you perform optimum maintenance on your OILTAP® on-load tap-changer. You can count on our products to reliably deliver for decades.

MR first class benefits of maintenance

- MR is well experienced as a main contractor in the maintenance of on-load tap-changers. Whether East-Asian, Arabian or other countries in the world, many of our customers benefit from their service contracts with MR. Thus the number of long-term maintenance contracts is increasing constantly.
- Over 150 certified service engineers worldwide
- Specially trained service engineers in all subsidiaries
- Training and regular testing for each tap-changer type
- 24-month warranty for all work we undertake
- 24/7-hour availability; if necessary, an engineer will come to you immediately
- MR service engineers only use genuine MR spare parts



Diverter switch with carbon deposits before maintenance

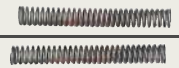


Diverter switch with cleaned up carbon deposits after maintenance

Wear of arcing contacts



Energy accumulator springs



Don't forget: Exceeding the applicable maintenance intervals puts at risk the trouble-free operation of your on-load tap-changer and transformer!

More information about maintenance of on-load tap-changers

Switching arcs are generated on the main switching and transition contacts of the diverter switch. These arcs cause carbonisation of the switching oil and lead to contact wear. Replacement of the arcing contacts or measures to correct the contact wear differences are necessary.

As diverter switches operate within 40 to 50 ms, the mechanical parts such as springs, braided contact leads etc. are subjected to considerable stress. Precautionary measures for replacement of the parts are necessary.

Depending on climate conditions and on the maintenance of the silica gel breather, the quality of the diverter switch oil will be influenced. Timely replacement is necessary.

■ OLTC components outside the transformer tank such as the tap changer head assembly, protective relay and motor drive are constantly subjected to changing weather conditions. Thorough check of all components is necessary.

■ Up-dating of an on-load tap-changer is an important feature of maintenance performance. During production nowadays each product is subjected to an innovation process, triggered by the use of new materials, new experience put into practice etc.. Installation of up-dating materials is part of the maintenance performed by MR.

The applicable maintenance intervals are published in the corresponding operating instructions (manuals). Also, there is information on our homepage www.reinhausen.com/service. Or simply send a direct service inquiry.

From our homepage, you may download the certificates we are proud of:

- DIN ISO 9001 Quality Management Certificate
- DIN ISO 14001 Environmental Management Certificate



First steps to maintenance success

We would like to assist you while preparing a maintenance programme. Please give us the serial number(s) of your on-load tapchanger(s) and the number of switching operations. The picture shows you where to find them. We will then work out a detailed quotation including the necessary maintenance spare parts and service cost involved. We would be glad to act as contact person for arranging appointments and any other questions you might have.

THE POWER BEHIND POWER.

